00134086

20/5/9

Digitized with financial assistance from

Government of Maharashtra

on 01 February, 2020

ANNUAL ADMINISTRATION REPORT

OF THE

FOREST DEPARTMENT

OF THE

MADRAS PRESIDENCY

LIBRARY OF THE BOMBAY BRANCH OF THE ROYAL ASIATIC SOCIETY

134086

FOR THE

TWELVE MONTHS ENDING 30TH JUNE 1904.

(1903-1904.) 1905-06

LIBRARY OF THE BOMBAY BRANCH OF THE ROYAL ASIATIC SOCIETY

00134086

MADRAS:
PRINTED BY THE SUPERINTENDENT, GOVERNMENT PRESS.

1904.

TABLE OF CONTENTS.

Chapter I.—Constitution of State Forests.

	PARA.	PAGE
1. Alteration in Area—		
Areas—		
Changes during the 12 months.	1	1
Details of the changes in areas.	2	2
2. Forest Settlement—		
Progress in Settlements and Outturn of Work by Special Forest Settlement-officers and by Revenue Divisional-officers.	3	2
3. Demarcation—		
Lengths demarcated and cost of permanent demarcation ..	4	2 & 3
4. Forest Surveys—		
(*a*) By Survey of India Parties.	5	3 & 4
(*b*) By Departmental Survey.	6	4

Chapter II.—Management of State Forests.

1. Regulation of Management—		
(*a*) Preparation and Control of Working-plans	7	4–6
(*b*) Annual Plans of Operations ..	8	6 & 7
2. Communications and Buildings—	9	8
3. Protection of Forests—		
(*a*) General Protection	10–13	9 & 10
(*b*) Protection from fire	14& 15	10–14
(*c*) Protection from cattle ..	16& 17	14 & 15
(*d*) Protection of growth against injuries from natural causes.	18	15 & 16
4. Sylviculture—		
(*a*) Natural Reproduction ..	19	16–18
(*b*) Artificial Reproduction ..	20	18 &19
(*c*) Operations for the improvement of Growing stock ..	21	19 &20
(*d*) Experiments	22	20–22
5. Exploitation—		
(*a*) System of Exploitation—		
(i) Major forest produce—		
(1) Clear or Regeneration Fellings	23	22
(2) Selection Fellings ..	24	22 & 23
(3) and (4) Improvement and Coppice Fellings.	25	23 & 24
(5) Unregulated Fellings.	26	24
(ii) Minor forest produce—		
(1) Miscellaneous produce.	27	24 & 25
(2) Extraction of Fodder.	28	25
(3) Hay-making	29	25 & 26
(4) Grazing	30	26
(*b*) Agency of Exploitation—		
(i) By Departmental Agency.	31	26 & 27
(ii) By Purchasers .. .. Confiscated Produce.. ..	32	27
(iii) By Right-Holders	33	28
(iv) By Free Grantees	34	28
(*c*) Outturn and sources of Forest Produce—	35	28 & 29

Chapter III.—Financial Results.

Revenue and Expenditure	36	29 & 30

Chapter IV.—Administration.

Conduct of Establishment— ..		
i Executive staff	37	31
ii Protective staff	38	31
iii Ministerial establishment ..	39	31
Health of the Establishment ..	40	31
Relations between Revenue and Forest Officials	41	31 & 32
Service Books	42	32
Tours of the Forest Member ..	43	32
Conservators' Inspections ..	44	32
Touring of District Forest-officers.	45	32
Inspection of Range offices by District Forest-officers ..	46	32
Audit of the accounts of the District Forest offices ..	47	32
Forest school	48	32
Work and services of Superior officers	49	32–34

CHAPTER V.—GENERAL.

	PARA.	PAGE
Realization of revenue from the usufruct of toddy-yielding trees on Government waste and Peramboke Lands	50	34
Measures adopted to encourage the growth of manure — leaf yielding trees and shrubs ..	51	34 & 35
Rules under the Forest Act ..	52	35
Rules under Section 26 of the Forest Act	53	
Inventory of valuable stock ..	54	
Rain-gauges	55	
Supply of Forest Produce to meet the wants of the people ..	56	35 & 36
Coffee Cultivation in Reserved Forests	57	36
Suits	58	
Elephants	59	
The Saw-mill at Mount Stuart ..	60	
The wire ropeway at Mount Stuart	61	
Mica, &c.	62	
Forest Museum	63	

APPENDICES.

	PAGE.
Appendix A—District areas and Forest Reserves	ii
Do. B—Reserved Forests in square miles	iii
Do. C—Particulars of balance of lands under Settlement	iv to vi
Do. D—Causes of delay in the submission of final Notification of Forest Reserves	vii
Do. E—Reserved Forest not under settlement in square miles	viii
Do. F—Abstract of District Reports in regard to the maintenance of Maps ..	ix & x
Do. G—Statement showing the area of Forest Reserves for which final Maps have been prepared	x
Area of Reserved Forests and Reserved Lands (No. 44)	xi to xvii
Progress made in, and expenditure incurred on, Forest settlements during 1902–1903 (No. 45)	xviii to xxv
Demarcation and maintenance of boundaries (No. 46)	xxvi
Forest Areas Surveyed and under Survey (No. 47)	xxvii & xxviii
Progress made in Working Plans (No. 48)	xxix
Communication and Buildings (No. 49)	xxx to xxxvii
Register of Breaches of Forest Rules (No. 50)	xxxviii to xlv
Appendix	xlvi to xlvii
Area of Forest Tracts protected from Fire (No. 51)	xlviii to lxiii
Areas open and closed to grazing (No. 52)	lxiv
Statement of grazing in Reserved Forest and Reserved lands (No. 53)	lxv to lxix
Area of plantations, cultural operations and Topes (No. 54)	lxx & lxxi
Statement showing the Outturn of Timber and Firewood and Agency of Exploitation (No. 55)	lxxii to lxxxvii
Outturn of Minor Forest Produce (No. 56)	lxxxviii
Account of Timber, &c., in Depots and sold locally (No. 57)	lxxxix & xc
Abstract showing the value of Timber and other Produce at Depots (No. 58) ..	xci to xciii
Summary of Revenue and Expenditure (No. 59)	xciv to ci
Abstract of the above prepared in the Board's office	cii & ciii
Outstandings and Liabilities on account of Contractors and Disbursers (No. 60) ..	civ
Do. on account of Revenue (No. 61)	cv
Statement of Financial results (No. 62)	cvi
Return of Elephants (No. 63)	cvii & cviii
Abstract showing the value of Live-stock, Stores, Tools and Plant (No. 64) ..	cix to cxiii
Statement showing the results of Transport of Wood by Tramways compared with the Transport by Carts (No. 65)	cxiv to cxvi
Timber and other Produce cut and collected and removed by Consumers (No. 72 A, Old Code)	cxvii
Timber and other Produce confiscated and sold (No. 72 B, Old Code)	cxviii

PROGRESS REPORT

OF

FOREST ADMINISTRATION IN THE MADRAS PRESIDENCY

FOR THE TWELVE MONTHS ENDING 30TH JUNE 1904.

CHAPTER I.—CONSTITUTION OF STATE FORESTS.

1. Alteration in area.

The following abstract from Form No. 44 shows the changes in the areas of reserved forests and reserved lands in the three circles and in the Presidency as a whole during the year:—

—	Area on 1st July 1903.	Added during the year.	Excluded during the year.	Net increase or decrease.	Area on 30th June 1904.
Northern Circle.	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.
Reserved forests	6,157	(b) 161	(a) 2	+ 159	6,316
Do. lands	578	(d) 115	(c) 19, (e) 10, (f) 161	— 75	503
Total ..	6,735	276	192	+ 84	6,819
Central Circle.					
Reserved forests	6,946	(a) 1, (b) 58	(a) 1, (e) 3, (e) 6	+ 55	7,001
Do. lands	336	..	(e) 8, (f) 58	— 72	264
Total ..	7,282	59	76	— 17	7,265
Southern Circle.					
Reserved forests	4,554	(b) 52	..	+ 52	4,606
Do. lands	884	(d) 41	(c) 2, (e) 2, (f) 52	— 15	869
Total ..	5,438	93	56	+ 37	5,475
Total.					
Reserved forests	17,657	272	6	+ 266	17,923
Do. lands	1,798	156	318	— 162	1,636
Grand Total ..	19,455	428	324	+ 104	19,559

(a) Revision of area. (c) Disafforested or unreserved. (e) Excluded at settlement.
(b) Transferred from reserved lands. (d) Newly constituted reserved lands. (f) Transferred to reserved forests.

2. The total area under the control of the department rose during the year from 19,455 to 19,559 square miles. The increase of 104 square miles arose from the notification, under section 4 of the Forest Act, of fresh areas chiefly in the districts of Ganjám, Bellary, North and South Malabar.

Appendix E.

Reserved Forests.

Two hundred and seventy-one square miles were constituted reserved forests during the year. Three square miles were disafforested for extension of cultivation under the Chapad project in *Cuddapah* and two had to be deducted on a more correct computation of the areas notified in previous years, leaving a net addition of 266 square miles.

Appendix B.

Reserved Lands.

One hundred and fifty-six square miles were added during the year. On the other hand 47 square miles were excluded at settlement or unreserved to provide for extension of cultivation and for exercise of communal privileges and 271 square miles were transferred to reserved forests. The total area at the end of the year was 1,636 square miles and of this 1,119 square miles were reserved lands notified under section 4 and brought under settlement, 167 square miles leased forests and the remaining 350 square miles reserved lands notified under the rules published under section 26 of the Forest Act.

Appendices C and E.

2. Forest Settlement.

3. One hundred and forty-eight blocks covering an aggregate area of 1,175 square miles remained to be finally constituted reserved forests at the commencement of the year and adding to this 42 blocks with an area of 241 square miles notified for settlement during the year; there were on the whole 190 blocks comprising an area of 1,416 square miles. Seventy-one blocks covering an area of 271 square miles were constituted reserved forests and two blocks with an area of 6 square miles were abandoned, in addition to 20 square miles excluded during settlement, leaving 117 blocks with an area of 1,119 square miles to be declared reserved forests at the close of the year. Of these 15 blocks comprising 20 square miles were notified under section 16 during 1903–1904 their reservation taking effect only after 30th June 1904 and 30 blocks covering 265 square miles practically settled leaving 72 blocks with an area of 834 square miles under settlement. Of these 7 covering in all only an area of little over a square mile were being settled by the Revenue Divisional officers and the rest by the two Special Forest Settlement officers.

Columns 40 and 41 of Appendix C.

Columns 8 to 11 of Appendix C.

The cost incurred during the year on account of the pay of the Special Forest Settlement officers and their establishments, for the survey and demarcation of enclosures, etc., and for the payment of compensation for private lands included within reserves settled amounted to Rs. 29,751. This is exclusive of the cost of the Special Forest Settlement Establishment entertained by the Board of Revenue.

Besides the 834 square miles mentioned above and 350 square miles of reserved land referred to in paragraph 1, about 264 square miles of unreserved land (200 square miles in Anantapur, 52 square miles in Madura and 12 in North Coimbatore) also remained to be finally notified under section 16 making the total area to be dealt with by the Forest Settlement officers at the close of the year 1,448 square miles.

3. Demarcation.

4. One thousand and five miles of boundary lines were demarcated at a cost of Rs. 15,962. Compared with the previous year there was a decrease of only 192 miles in the total length of lines demarcated. The shorter outturn is mainly due to the work in several districts approaching completion. The system adopted in demarcating the boundaries of reserved forests was by clearing the lines and by construction of cairns or the planting up of stone slabs. The average cost per mile for the Presidency shows a

slight increase compared with the rate of the previous year. The work cost more chiefly in *South Canara* and *Tinnevelly*. The apparently very large increase in *South Canara* is attributed to the construction and planting of slabs over several hundreds of miles cleared in previous years; while in *Tinnevelly* more cairns had to be erected owing to the tortuous boundary of the reserves demarcated. There remained at the close of the year 1,722 miles still to be demarcated. A length of 6,375 miles was cleared at a cost of Rs. 4,268 against 4,735 miles at a cost of Rs. 4,949 in the previous year. A length of 3,522 miles was cleared by forest subordinates free of cost against 4,393 miles in the previous year.

4. Forest Surveys.

(*a*) *By Survey of India Parties.*

5. As in previous years the combined Parties, Nos. 9 and 19, of the Survey of India worked in sections each under the immediate charge of a responsible officer. The outturn of their work is shown in the following statement:—

District.	Triangulation.	Traversing.	Topography.
	SQ. MLS.	MLS.	SQ. MLS.
Ganjám	..	105·53	192
Gódávari	1,000	100·43	..
Kistna	289	26·68	332
Kurnool	..	..	
Chingleput	70	..	..
Trichinopoly	150	..	..
South Canara	428	10·68	177
North Coimbatore	..	12·24	102

The cost of the operations during the year is compared with that of the two previous years in the subjoined statement:—

Description of work.	Area surveyed.			Cost rate per square mile.		
	1901–1902.	1902–1903.	1903–1904.	1901–1902.	1902–1903.	1903–1904.
				RS.	RS.	RS. A. P.
Triangulation (square miles) ..	1,680	2,030	1,937	5	5	9 3 8
Traversing (linear miles)	414	538	256	14	13	18 13 0
Topography 4″=1 mile (square miles).	1,306	1,411	803	59	58	(*a*) 98 2 11

(*a*) Includes revisionary survey.

The decrease in area and increase in cost were due in a measure to the excessive unhealthiness of some of the tracts surveyed and to the consequent difficulty of obtaining labour.

In *South Canara*, a consistent programme of work could not be framed for want of definite information and the survey of small scattered areas had therefore to be carried out. This fact also contributed to the enhancement of the rates.

The outturn under "traversing" was advisedly kept low in order to avoid unnecessary expense. The area topographically surveyed, *i.e.*, 803 square miles includes some 96 square miles of resurvey of former season's work in North Coimbatore. Much of this area had to be surveyed by chain because of the density of the undergrowth. This was especially the case in *Gódávari* and the plain parts of *South Canara* and *North Coimbatore*.

The actual expenditure for the survey year including cost of instruments was Rs. 1,04,455 against Rs. 99,664 in 1902–1903. The amount debitable to the Forest Department excluding the contribution of the Government of India amounted to Rs. 70,033 as against Rs. 64,881 in the previous year.

The health of the parties generally was bad and the labour difficulty in *Gódávari* assumed an acute phase, as local labour was almost unprocurable and that imported would not face the unhealthy climate. *South Canara* also was as usual unhealthy. The effects of sickness, chiefly malaria, contracted during the field season

have been severely felt throughout the recess and have seriously interfered with the progress of mapping. The outturn was also interfered with by Bubonic plague in Bangalore for the native members of the parties living in the bazaars were constantly subjected to segregation.

The season's work was verified by the District Forest Officers of *Gódávari*, *South Canara*, *Kurnool* and *Kistna* who visited Bangalore for the purpose.

The District Forest Officer of *North Coimbatore* did not verify the surveys of his district which were in consequence withheld from publication. Thirty-two sheets including 19 sheets partially drawn last year have been mapped. Owing to incomplete verification of forest boundaries 4 sheets of *Cuddapah*, 9 sheets of *Kurnool*, 1 sheet of *South Canara* and 4 sheets of *North Coimbatore* were withheld from publication, while 3 sheets of *Cuddapah* were sent for publication as provisional issues pending settlement of boundaries under dispute. The demarcation of the *South Canara-Mysore* boundary was still pending execution.

(*b*) *By Departmental Survey.*

6. In *Ganjám*, 56 miles of enclosure boundaries in Pondakhol reserve and 70 miles of fire lines were surveyed and traced by surveyors, while 77 miles of boundary surveys were effected by the Range officers and their subordinates. The surveyor in *Vizagapatam* prepared contour maps for seven reserves. In *Gódávari*, a surveyor was engaged solely in the survey of the boundaries of six reserves in the Peddápur Range aggregating 117 miles. In *Kurnool*, the enclosures in the Gani reserve were surveyed, as also the unsurveyed fields in the reserves under settlement which were correctly localized in the reserve maps. In *Cuddapah*, the portion of the Kálahasti Zamindari, wrongly included in the Gangapenta reserved forest, was surveyed by a forester and the record of his measurements and the plotting were sent to the Survey of India party for verification and necessary correction of the reserve map. In *North Salem*, two surveyors were at work, one on surveying coupes, tracing ghât roads and preparing estimates and plans also maps for the Forest-settlement officer, and the other for a short time on tracing a ghât road. In *South Salem*, there were also two surveyors on duty but only for short periods. They were employed in the survey of the fuel coupes in the Harur Range and in resurveying the land applied for for coffee cultivation on the Shevaroys, the work done by the previous surveyor being incorrect. The boundary of the Vellalagundam reserve in the Salem East range was also traversed with a view to the publication of an amended boundary notification, the cut boundary not tallying with the original notification. In *South Canara*, three blocks of 16 square miles were surveyed and preliminarily demarcated by a temporary surveyor assisted by a forester. In *South Malabar*, 23½ miles of boundary were surveyed by the Forest Ranger, Palghat, in the Silent Valley Reserve and in *South Coimbatore*, certain coffee estates on the Anamalais were also surveyed.

CHAPTER II.—MANAGEMENT OF STATE FORESTS.

1. Regulation of Management.

(*a*) *Preparation and Control of Working-plans.*

7. During the year working-plans for 1,072 square miles were sanctioned by the Board of Revenue and plans for 1,770 square miles were under preparation at its close. As compared with the previous year the outturn was less under both heads, the reasons for which will be found below.

Besides the cost of the working-plans officers and their office establishments an additional expenditure of Rs. 1,878 was incurred under this special head.

The prescriptions of the working-plans were generally adhered to except for slight deviations in the area or the year prescribed for working and these were in most cases sanctioned by the Conservator. Alterations in the order of exploitation of Asanampet and Vellakal bamboo working circles of *North Arcot* district were proposed and sanctioned by the Board of Revenue. No revisions of working-plans were made

or proposed during the year except in the case of the Sandúr leased forests in Bellary. There remained at the close of the year an area of 10,667 square miles for which working-plans were still to be prepared.

Work of the Special Working-plans Officers.

Northern Circle.—Mr. Cowley-Brown, the special working-plans officer, who returned from leave in September 1903, prepared and submitted working-plans for the sâl forests of Suruda and Buguda ranges, *Ganjám*, and their sanction by the Board is awaited. He inspected a portion of the forests of the Nallamalais, *Kurnool*, covering an area of about 170 square miles. The working-plan for this was under preparation at the close of the year.

Central Circle.—Extra Assistant Conservator, M.R.Ry. V. S. Gurunatha Pillai, continued to be the special working-plans officer. Chittoor working-plan, prepared by him and referred to in the last year's report was sanctioned this year. He inspected the North Arcot and South Arcot Javadi Hill forests and prepared a reconnaissance report which was approved by the Conservator. He submitted the working plans for the Chandragiri and a supplemental plan for the Ambur forests within the year and they were sanctioned by the Board after its close.

Southern Circle.—No special working-plans officer was employed in this circle during the year, but Mr. P. M. Lushington continued to be in charge of the work in addition to his duties as District Forest-officer, North Coimbatore. Working plans for Terkuviravanallur in *Tinnevelly* and Madeswaranmalai and Bailur sandalwood areas in *North Coimbatore*, covering an aggregate area of 57·32 square miles, were prepared by him and sanctioned by the Board. In *South Canara*, no progress was made.

The following is the summary of the work done in each district in this direction :—

Northern Circle.—The following working-plans were sanctioned during the year :—In *Ganjám*, the supplemental plan for the sâl areas of 281 square miles of Mojjaguda and Kukuluba ranges ; in *Vizagapatam*, a working-plan for Sinivaram and Dharakonda reserves comprising an area of 122 square miles ; in *Kurnool*, working-plans for 75 square miles of the Veldurti, Kurnool and Dhone working circles ; and in *Anantapur*, working-plans for 230 square miles of Penukonda and Madaksíra ranges. Under these working-plans, the first and the third areas are to be worked for coppice with standards, the second to undergo improvement fellings, and the last under permits for dead wood and grass. The following plans submitted to the Board are awaiting sanction :—in *Kistna*, the Kondapalli working-plan ; in *Bellary*, the revised working plan for the Sandúr leased forests (the sanction for which has been deferred until the question of the renewal of the existing lease after its expiry in 1907 is settled) ; and in *Anantapur*, Kalyandrug range working-plan for 76 square miles. The following were under preparation :—In *Ganjám*, the working plan for Mohiri reserve ; in *Vizagapatam* plans for 61·87 square miles of Palkonda range, for 20 square miles in Karaka reserve, 6·79 square miles in Kosavatipudi working circle and 29·81 square miles of Saragudu reserve ; in *Bellary* a plan for 24 blocks in Adóni range covering an area of 46½ square miles ; and in *Anantapur*, for the Pamidi range, 127 square miles. In *Gódávari*, Extra Assistant Conservator Mr. N. M. Rego, specially deputed for the preparation of working plans, submitted a reconnaissance report for 183 square miles of Peddápur range and also inspected the reserves of the Rajahmundry range (52 square miles). In *Kistna* preparatory to regular working plans large areas were being worked on a fixed rotation of coupes with some idea of creating a demand and securing statistics.

Central Circle.—In *Cuddapah*, the preliminary plans commenced by Mr. N. M. Rego were not proceeded with owing to his transfer to the Northern Circle and pending the posting of the special working-plans officer to the district. In *Nellore*, a working plan for the Venad and Pernad reserves in the Sríharikóta range was submitted to the Board during the year and it has since received its sanction. A consolidated working plan for all the reserves in the Rapur range covering an extent of 254 square miles was under preparation. The working plan for Kanuparti and Kottapatam plantations of the Ongole taluk which was under preparation and since submitted to the Conservator

of Forests, Central Circle, was transferred to the Northern Circle for disposal, as the Ongole taluk forms a portion of the new Guntúr district from 1st October 1904. Reconnaissance reports for all the working circles in the *Chingleput* range were approved by the Conservator and a working plan for the same was under preparation. In *North Arcot*, work was done by the special working-plans officer as already observed. A reconnaissance report for the reserves in the Arcot, Wallajah and Wandiwash taluks was prepared by the Extra Assistant Conservator, M.R.Ry. Maduranayagam Pillai, and approved by the Conservator. In *South Arcot*, for want of staff no progress was made during the year. The reconnaissance reports for six working circles of the Kallakurichi range including the three referred to in previous year's report and revised afterwards, were approved by the Conservator. In *North Salem*, a working plan for 21 square miles of Uttankarai range and another for Tiruppattúr range for 138 square miles were sanctioned by the Board. In *South Salem*, working plans for the Shevaroys Central and Vanavasi working circles comprising an area of 36 square miles were sanctioned. Working plans for the Atur and Salem East ranges covering an extent of 111 and 110 square miles, respectively, prepared by Extra Assistant Conservator, Mr. Daly, on this special duty, are now before the Conservator. In *Tanjore*, reconnaissance reports for eight reserved forests comprising an area of 5 square miles were approved by the Conservator. In *Trichinopoly*, necessary data for the preparation of working plans were being collected during the year. Under the sanctioned working plans, the forests of Vanavasi, Chittoor, and Uttankarai and fuel circles of Tiruppattúr are worked for coppice with standards; the Shevaroys Central plan provides for regeneration and improvement by planting and sowing; and the timber-working circles of Tiruppattúr are to be under selection fellings for five years and improvement fellings during sixty years.

Southern Circle.—In *North Coimbatore*, a rough plan was drawn up for Erode range and coupes marked accordingly, in addition to the working plans of Bailur and Madeswaranmalai already referred to. No working plans were prepared during the year in *South Coimbatore*, but it is reported that the existing plans for Tunacaduvu and portion of Pollachi ranges require revision. In *Madura*, plans have to be prepared for Kodaikánal and Tandigudi ranges of 263 square miles. Necessary data were being gathered and experimental coupes opened in these ranges during the year. In *Tinnevelly*, the District Forest officer prepared a working plan for the Sivagiri zamin forests and the question of recovering the cost for the same from the zamindar was under correspondence. Coppice with standards is the system prescribed for the Terkuviravanallur working plan and selection felling for the Bailur and Madeswaranmalai working plan. The selection felling here proposed is a combination of a thinning (extraction of dead and dying trees) with the final felling of a high forest method.

(*b*) *Annual Plans of Operations.*

8. The annual plans of operations were generally adhered to except in the following instances:—

Northern Circle.—In *Gódávari*, certain coupes in Rajahmundry left unworked in the previous year for want of demand were worked along with the current year's coupes with a view to bring the working-plan prescriptions up to date. In *Kurnool*, all the road works were not completed owing to insufficiency or illness of range officers or establishment. The final demarcation of Kothaburuzu, Yeddapenta, Panem, Pattikonda, South Veligonda and its extension reserves was not carried out, as the estimates for the former two reserves were sanctioned late in the year and for the rest after its close. In *Bellary*, the felling in Chiribi reserve was not carried out owing to a change in the executive staff. Felling operations and collection of deadwood in certain ranges were not conducted departmentally for want of establishment to supervise, but the right to fell and collect was leased or sold by public auction. In *Anantapur*, Dokkalakonda road work was completed up to the sanctioned amount, but it was found necessary to extend it by $1\frac{3}{4}$ miles to make the traffic complete.

Central Circle.—Departmental operations in the Badvel and Proddatur ranges of *Cuddapah* were not undertaken, as the coupe fellings in Cuddapah and Sidhout ranges were more emergent. The leasing of fuel or timber in Pullampet range had to be

continued for departmental works could not be arranged. In *Nellore*, the construction of the range office building at Podalakur was not completed owing to the default of the contractor and the consequent cancellation of the contract. Many of the coupes in Rapur and Kávali ranges were not sold for want of demand and fewer coupes were sold in the *Chingleput* district for the same reason. In *North Arcot*, the collection and supply of agricultural implements were for the most part made only through contractors and not departmentally as originally proposed, the establishment being otherwise fully occupied. The fuel depot proposed to be opened at Tirupati was considered unnecessary for want of demand. Heavy rains prevented the collection of grass during the season for the purpose of hay-making. The construction of certain roads and buildings was postponed, pending alignment and personal inspection by the District Forest-officer. Rectification of demarcation work was undertaken only to a small extent. In *South Arcot*, though the plan of operations was not carried out in its entirety on account of pressure of offence business and changes or illness of the range staff, yet marked improvement is reported to have been made during the year in the preparation and disposal of coupes in all ranges. In *North Salem*, certain fuel and timber coupes provided for in the working plan were not worked on account of cessation of firewood supply to the Railway and want of other demand for the produce. Four other timber coupes not prescribed for the year were exploited for supply of timber to the poor at Vániyambádi who lost their houses during the recent floods. Felling of timber on the Javadis and construction of a bridlepath, two cart-tracks and one rest-house were also not undertaken partly owing to want of demand and to the establishment being engaged on other urgent duties and partly to the outbreak of plague. The construction of certain buildings and paths in *South Salem* was not started and of some others not completed owing to the early setting in of the rains and to pressure of offence work. The land for the District Forest-officer's garden and the Shevapet depot site in Salem town and the fields in Mannur reserve were not acquired, as the proceedings under the Land Acquisition Act were not complete. In *Trichinopoly*, certain coupes in the Udaiyárpálaiyam and Vaiyampatti ranges were not exploited for want of demand.

Southern Circle.—The construction of a cart-track in Coondapoor range, the reconstruction of a rest-house at Ullur and creeper cutting in certain reserves in the Coondapoor and Udipi ranges were deferred for want of funds. Four guards' huts, one at Durgamale and the rest in Uppinangádi range, were not constructed in order to carry out other important works and two more huts in Puttur range were not also built as the redistribution of the guards' charges was under consideration. The felling and transport of timber from Puttur range to Mangalore were not done, there being sufficient timber on hand out of trees previously felled for sleeper operations. Bamboos were not cut departmentally partly owing to want of funds and partly to the establishment being otherwise engaged. Demarcation of two reserves in Uppinangádi range was not undertaken their final notification under section 16 being delayed. In *North Malabar*, the sanctioned working plans of Chedleth and Begur ranges were not fully worked up to on account of heavy work in connection with fire-line clearing. In *South Malabar*, the construction of Karimalai bungalow and foot-path and the fencing of Aravillikava teak plantations and some other works had to be deferred in order that the funds allotted for these might be utilized for more urgent works, viz., the supply of fuel to the Madras Railway Company, sleeper operations, construction of water reservoir on the Nilambúr hill, etc., which were not provided for in the budget. In the *Nilgiris*, bamboos were not extracted according to the provisions of the working plans on the Jackanaru slopes, for there were no tenderers. Benne forests having been under working without a plan it is thought expedient to give them rest. In *North Coimbatore*, the anticipated expenditure on sandalwood, minor produce and buildings was exceeded owing to the payment of shipping charges for the sandalwood sent to the home market, to an unexpected large crop of gallnuts and to the necessity of finishing the incomplete works of the previous year. In *South Coimbatore*, the repairs to certain roads, bridlepaths and buildings had to be postponed to provide for more urgent works not budgeted for, viz., felling fuel for supply to the Madras Railway Company, construction at Mount Stuart of a new bridge at Sawmill, extension of water-supply pipe line, and repairing and strengthening the bank near Sawmill. In *Madura*, the quantity of fuel supplied to the South Indian Railway was larger than anticipated. In *Tinnevelly*, the supply of fuel to the Local Fund department, was undertaken though not originally anticipated.

2. Communications and Buildings.

9. The subjoined statement shows the outlay on communications and buildings during the year under report as compared with the previous year :—

	1902-1903.	1903-1904.
	Rs.	Rs.
Roads and bridges	43,604	42,265
Buildings	53,739	45,770
Miscellaneous works	9,806	11,032

The only noticeable difference is the decrease under " Buildings " which occurs in *Southern Circle*, and is distributed over the districts of *South Malabar*, *North* and *South Coimbatore*. The slight increase under miscellaneous works is due to the cost of the one-mile mono-rail purchased in *Gódávari* having been included under this head.

(*a*) *Roads and Bridges.*

All the roads under this head are of a permanent nature. The important works done in the *Northern Circle* were the cutting of inspection and bridle-paths along new block lines in *Ganjám*, the improving of timber tracks in the Rékapalle hill reserve of *Gódávari*, completion of Deguvametta-Malkondapenta and Adutla-Tekulapenta roads, and repairs to Mantralakanama ghát road in *Kurnool*. In the *Central Circle*, the Pennagaram-Anaibiddahalla road (11½ miles long) under construction and repairs in *North Salem*, referred to in the previous year, was completed, a ghât road in continuation of the above to Anchetti about 18 miles, was traced and aligned, and repair of the old Denkanikota-Sameri road was commenced at the close of the year. In *South Salem*, Mallápuram ghát road was metalled for a mile and a furlong from the Mallápuram Railway station and repaired from the 2nd to the 8th mile. The completion of the cantilever bridge at Muthanga in the Chedleth range of *North Malabar*, the construction of Mutheri bridge in *South Malabar*, conversion of the Gundila valley bridlepath into a cart-track in *North Coimbatore*, and construction of two bridlepaths and two roads in *Madura* were the chief works in the *Southern Circle*.

Tramways.—In the *Nellore* district, Srîharikóta range, 7,344 tons of produce were carried, or 29,376 ton-miles were run as against 8,584 tons or 21,460 ton-miles in the previous year and in the Coast range adjoining about 11,686 tons or 17,850 ton-miles against 7,879 tons or 22,285 ton-miles. During the year a sum of Rs. 2,778 was spent on the purchase of 80 pairs of wheels and axles, and Rs. 992 towards repairs to tramway materials. In *South Coimbatore* the total quantity of timber trammed during the year was 1,501 tons, or 6,907 ton-miles against 913 tons or 2,898 ton-miles in the previous year, of which 867 tons were drawn by Government agency and 634 by hired bullocks. The results of working show, as usual, profit in *Nellore* and loss in *South Coimbatore*. But the loss in the latter district is only Rs. 207 or Rs. 1,907 less than that of the previous year as the quantity trammed was 588 tons more owing to working departmentally instead of through a contractor.

(*b*) *Buildings.*

The most important works in the *Northern Circle* were, in *Ganjám* the construction of a combined office building for the Mojjaguda and Kukuluba Ranges and the Russellkonda depot, in *Vizagapatam* a new Ranger's quarters at Narasapatam, in *Gódávari* one rest-house at Samanamalla and another at Malkapuram in *Kurnool*, and the completion of the Gazilibadi rest-house in *Ganjám* and another at Chelema in *Kurnool*. In the *Central Circle*, a rest-house at Potlur in *Nellore*, another at Harur in *South Salem* and Nadanur bungalow in *North Arcot*, were the principal buildings constructed during the year. In the *Southern Circle*, a rest-house was constructed at Kombar in *South Canara*, and another at Nedungayam in *South Malabar*. Owing to a landslip the work on the new building at Nadugani in *Tinnevelly* was stopped. Another site was selected and building work was in progress.

(*c*) *Miscellaneous works.*

Under " Miscellaneous works " the amount was chiefly spent in constructing wells, etc., in order to secure a better supply of water. Under this head was adjusted the cost of the one mile of mono-rail purchased for Bendamurlanka plantation in the *Gódávari* district.

3. Protection of Forests.

(a) *General Protection.*

10. The following table shows the offences reported against Forest law :—

Circle.	Cases taken into Court.				Cases compounded.				Cases undetected.				Total cases.				Grand total of cases.
	Injury to forests by fire.	Unauthorized felling or appropriation of wood and minor forest produce.	Grazing without permission or in tracts in which grazing is prohibited.	Other offences.	Injury to forests by fire.	Unauthorized felling or appropriation of wood and minor forest produce.	Grazing without permission or in tracts in which grazing is prohibited.	Other offences.	Injury to forests by fire.	Unauthorized felling or appropriation of wood and minor forest produce.	Grazing without permission or in tracts in which grazing is prohibited.	Other offences.	Injury to forests by fire.	Unauthorized felling or appropriation of wood and minor forest produce.	Grazing without permission or in tracts in which grazing is prohibited.	Other offences.	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Northern ..	14	1,060	632	85	1	1,475	935	112	112	126	29	15	127	2,661	1,596	212	4,596
Central ..	8	1,825	1,617	176	3	5,296	2,992	272	249	561	155	15	260	7,682	4,764	463	13,169
Southern ..	27	550	347	136	13	1,691	623	217	134	42	126	12	174	2,283	1,296	365	*4,118
Total ..	49	3,435	2,596	397	17	8,462	4,750	601	495	729	310	42	561	12,626	7,656	1,040	21,883
Total for 1902-1903.	74	3,411	2,591	490	14	8,258	6,253	816	382	467	314	55	470	12,136	9,158	1,361	23,125

* Exclusive of 1,244 petty offences concerning 1,459 persons who were merely admonished.

Compared with the average of the three previous years, the number of cases reported was fewer by 1,118, the decrease occurring mainly under "grazing" but also under "other offences". There was a slight increase under the other two heads.

Under "grazing" the number reported on was less chiefly in *Kistna* and *North Arcot* while in *Anantapur*, *North Coimbatore*, *Madura* and *Tinnevelly* there was a noticeable increase. The fall in *Kistna* is ascribed to the special measures adopted to prevent the commission of offences and that in *North Arcot* partly to there being less compounding and partly to more cattle being licensed. The increase in *Anantapur* having been accompanied by a fall in the grazing revenue, it is attributed by the Collector to wilful connivance on the part of the subordinates. The Acting Conservator, Mr. Lushington, remarks that—

"He cannot help feeling that the penal sections of the Forest Act are being largely abused by the subordinates, and that it would be a very good thing if there could be a thorough investigation into the working of the Act. There is no doubt but that there is an enormous amount of illicit traffic which the majority of the subordinates will not put down unless it suits their own private purposes."

The increase in the other three districts is declared to be the result of increased vigilance on the part of the subordinates and of stricter and closer supervision.

Under "other offences" the decrease occurred mainly in *Kurnool* and *North Arcot*. In the former district, cases of unauthorized cultivation was less than in the previous year and in the latter it is due to the incorrect classification under this head in the previous year of offences connected with the illicit removal of grass and manure leaves.

The number of reported cases in which the offenders were undetected was 1,576 against 1,218 in the previous year. The increase occurred chiefly in *Anantapur* and *North Coimbatore* under "fires" and in *Kurnool* and *South Arcot* under "unauthorized felling".

The number of cases pending at the beginning of the year was 3,725 and at its close 2,982, of which 1,190 were with Magistrates.

11. The following statement shows the result of cases brought to trial :—

Circles.	1902–1903.		1903–1904.		Percentage of failures.	
	Convictions.	Acquittals.	Convictions.	Acquittals.	1902–1903.	1903–1904.
Northern	1,368	162	1,791	151	10·58	7·77
Central	3,981	345	3,450	315	7·97	8·36
Southern	746	137	863	135	15·51	13·52
Total ..	6,095	644	6,104	601	9·55	8·96

Besides the 6,705 cases shown above, 467 cases were withdrawn under the orders of the District Forest Officer. The percentage of convictions obtained is 91·04 against 90·45 in the preceding year.

12. The following statement compares the number of cases compounded and the compensation fees realized with the figures of the previous year :—

Circles.	1902–1903.		1903-1904.	
	Number of cases.	Amount recovered.	Number of cases.	Amount recovered.
		Rs.		Rs.
Northern	2,809	18,225	2,040	15,052
Central	9,403	56,435	8,203	56,429
Southern	1,453	9,896	2,461	19,303
Total ..	13,665	84,556	12,704	90,784

The number of cases compounded decreased by 961, which is chiefly due to the reduction in *North Arcot*, where prosecution was resorted to in cases other than of a very trifling nature. There was a marked increase in the amounts realized in *Madura* and *South Canara*; in the former district from the levy of heavier compounding fees and to the increase in the number reported and compounded, and in the latter district to the fact that a timber theft case was compounded for Rs. 1,200. The Collector has reminded the District Forest Officer that the compounding of such cases is opposed to the wishes of Government. There was also a noticeable decrease in realizations in *Bellary* and *North Arcot* where fewer cases were compounded. This decrease in the case of *North Arcot* is considered by the Conservator to be due to a considerable extent to the remarks of the Board drawing attention to the fact that the increase in the offence returns was *primâ facie* reason for doubting the efficiency of the administration. They were received by a Provincial Service officer in district charge who followed an officer who had judged his Rangers' efficiency by the number of the offences they reported.

The whole question of Forest offence has been dealt with by the Conservator of Forests, Central Circle, in a note which has been placed before Government and the conclusions arrived at are that the number of Forest offences reported may be considered a healthy sign of energy in detection and that so long as care and consideration are shown in the disposal of the cases it can only be hoped that fewer offences will be committed and fewer remain unreported.

13. The punishments inflicted by the Magistrates were on the whole satisfactory, except in *Nellore*, where there were more acquittals in grazing cases. This is due to the cattle owners letting their animals stray without a herdsman in charge of them in order to escape being brought to trial. There were few noteworthy cases in the year. In *South Coimbatore*, 62 Moplahs were convicted of illicit felling of timber worth about Rs. 400 in the Bolampatti forests.

(*b*) *Protection from Fire.*

14. The system adopted differed little from that of previous years. In rigidly protected areas, the boundaries of the blocks were fire traced and internal fire lines were

also cleared in some districts; in addition patrols were appointed to keep the lines clear of dead leaves and other combustible matter and to be on the look out for fires. In partially protected areas fire patrols alone were appointed in some districts to watch the fires. The breadth of the lines cleared and fire traced varied in several districts and within each charge.

The area subjected to special measures amounted as shown in Form No. 51 to 5,641 square miles against 5,545 square miles in the preceding year. Of these, 5,103 square miles were successfully protected against 5,031 square miles in the previous year. The proportion of failures rose slightly from 9·27 per cent. to 9·5 per cent., and the cost per square mile successfully protected rose from Rs. 7-6-5 to Rs. 8-11-0. The proportion of failures in rigidly protected areas was only 8·5 per cent.

15. The following statement shows the number and origin of the fires in the several districts:—

Division or Circle.	A. Fire caused by accident or through carelessness in burning fire lines.		B. Fires entering the forests by crossing exterior fire traces.		C. Fires beginning inside the reserve or fire-traced areas. Owing to carelessness or accident. By workmen employed in the forests, by purchasers of forest produce, and by hay-cutters.		By villagers, travellers, etc., passing through the forests.		By railway engines.		By lightning or by fire-balloons.	
	Number of fires.	Area burnt in acres.	Number of fires.	Area burnt in acres.	Number of fires.	Area burnt in acres.	Number of fires.	Area burnt in acres.	Number of fires.	Area burnt in acres.	Number of fires.	Area burnt in acres.
1	2	3	4	5	6	7	8	9	10	11	12	13
Northern Circle.												
Ganjám	4	11	7	1,158	10	630	17	374	..	..	..	..
Vizagapatam	..	..	2	1,920	155	5,803	..	..	..	..	..	..
Gódávari	10	3,122	7	275	1	1	18	674	..	..	..	..
Kistna	1	50	1	7,140	1	..	18	30,530	..	..	..	..
Kurnool	..	..	..	..	..	..	..	..	..	..	..	..
Bellary	..	..	..	..	..	..	1	..*	..	..	..	..
Anantapur	1	2	1	16	..	..	5	1,006	1	800	1	2
Total, Northern Circle ..	16	3,185	18	10,509	167	6,434	59	32,584	1	800	1	2
Central Circle.												
Cuddapah	1	40	5	23,482	5	21,360	..	..	2	530	..	..
Nellore	..	..	17	3,442	..	..	..	..	..	..	..	..
Chingleput	..	..	..	..	..	..	..	..	1	..†	..	..
North Arcot	3	248	22	6,175	20	3,268	9	1,407	..	..	..	..
South ,, ...	1	5	..	..	..	..	1	..	..	..	..	..
North Salem	..	..	..	..	..	..	10	2,886	..	..	..	..
South ,, ...	..	..	..	..	1	15	15	1,833	..	..	..	..
Trichinopoly	1	5	..	..	..	..	..	..	..	..	..	..
Tanjore	..	..	..	..	..	..	..	..	..	..	..	..
Total, Central Circle ..	6	298	44	33,099	26	24,643	35	6,126	3	530	..	..
Southern Circle.												
South Canara	2	12	7	104	..	..	49	1,313	..	..	..	..
North Malabar	2	33	1	40	..	..	..	..	..	..	..	..
South ,, ...	..	..	..	..	..	..	..	..	..	..	..	..
The Nilgiris	2	680	..	..	..	..	..	..	..	..	..	..
North Coimbatore ..	..	..	6	1,652	1	12	..	..	..	..	..	..
South ,, ..	..	..	3	3,276	..	..	5	1,694	..	..	..	..
Madura	..	..	9	775	1	200	3	13	..	..	..	..
Tinnevelly	1	50	4	55	6	864	1	5	..	..	1	5
Total, Southern Circle ..	7	775	30	5,902	8	1,076	58	3,025	..	..	1	5
Total, Presidency ..	29	4,258	92	49,510	201	32,153	152	41,735	4	1,330	2	7

* Reported as "not known." † Half an acre.

Division or Circle.	C. Fires beginning inside the reserve or fire-traced areas—*cont.*										Total A, B and C.	
	By intentional firing.								Causes unknown.			
	In order to obtain new grass.		In order to turn out game or to reduce cover.		Maliciously fired.		Total.					
	Number of fires.	Area burnt in acres.	Number of fires.	Area burnt in acres.	Number of fires.	Area burnt in acres.	Number of fires.	Area burnt in acres.	Number of fires.	Area burnt in acres.	Number of fires.	Area burnt in acres.
	14	15	16	17	18	19	20	21	22	23	24	25
Northern Circle.												
Ganjám	..	..	3	185	5	115	35	1,304	2	63	§ 48	§ 2,536
Vizagapatam	..	..	..	..	‡ 2	1,612	157	7,415	..	..	159	9,335
Gódávari	6	1,605	1	470	..	..	26	2,750	12	9,681	55	15,728
Kistna *	..	..	..	..	..	..	19	30,530	..	..	21	37,720
Kurnool	† 1	138	..	..	1	2,395	2	2,533	20	42,629	22	45,162
Bellary *	..	..	..	..	..	..	1	..	65	61,170	66	61,170
Anantapur *	17	3,479	12	14,170	4	3,200	40	22,657	36	21,711	78	44,386
Total, Northern Circle ..	24	5,222	16	14,825	12	7,322	280	67,189	135	135,154	449	216,037
Central Circle.												
Cuddapah	4	13,800	..	..	4	880	15	36,570	60	91,524	81	151,616
Nellore	..	..	..	..	..	..	..	..	1	50	18	3,492
Chingleput	..	..	..	..	..	..	1	..	2	140	3	140
North Arcot *	71	13,518	..	..	27	3,225	127	21,418	24	5,786	176	33,627
South „	..	..	..	..	..	..	..	..	8	1,372	‡ 10	1,377
North Salem *	5	269	10	611	..	..	25	3,766	6	7,811	31	11,577
South „	6	197	..	..	7	776	29	2,821	35	1,461	64	4,282
Trichinopoly	2	300	..	..	..	..	2	300	1	9	4	314
Tanjore	..	..	..	..	..	..	..	..	..	..	..	..
Total, Central Circle ..	88	28,084	10	611	38	4,881	199	64,875	137	108,153	387	206,425
Southern Circle.												
South Canara	6	571	1	50	16	519	72	2,453	23	635	104	‖ 3,204
North Malabar	1	500	..	..	2	5,500	3	6,000	2	3	8	6,076
South „	..	..	..	..	..	..	..	..	1	640	1	640
The Nilgiris	..	..	..	..	..	..	..	..	..	..	2	680
North Coimbatore * ..	8	2,406	..	..	4	3,813	13	6,231	111	42,183	130	50,066
South „ ..	13	2,119	..	..	..	..	18	3,813	2	90	23	7,179
Madura *	14	765	..	..	1	12	19	990	23	1,759	51	3,524
Tinnevelly *	16	6,663	1	1,000	7	2,760	32	11,297	11	433	48	11,835
Total, Southern Circle ..	58	13,024	2	1,050	30	12,604	157	30,784	173	45,743	367	83,204
Total, Presidency ..	170	46,330	28	16,486	80	24,807	636	162,848	445	289,050	1,203	505,666

* In both protected and unprotected areas. † In order to collect honey.

‡ The discrepancy between this figure and that entered in Form No. 50 has not been explained.

§ Excludes 6 fires which burnt 301 acres in areas under partial protection; 13,183 acres were also burnt in unprotected areas.

‖ The discrepancy between this figure and that entered in Form No. 51 has not been explained. It is apparently due to the inclusion of unprotected areas burnt.

As regards the fires caused by accident or through carelessness in burning fire lines the number was comparatively large in *Gódávari*, *Ganjám* and *North Arcot*. In *Gódávari* the fires were ascribed partly to high winds and partly to want of experience of the staff engaged in burning the lines, while in *Ganjám* one of the fires was the result of the fire patrols burning traces without supervision.

The largest number of fires which entered the forests by crossing exterior fire traces occurred in *North Arcot* and *Nellore*, while the area burnt by such fires was largest in Cuddapah where five fires burnt in all 23,482 acres and the Collector considers that nothing under a 300′ fire line can be depended upon to stop the fires crossing from the unprotected areas and that no system of fire-protection will be successful so long as the people find that it pays to burn forest. There are also good grounds for believing that removers of red wood stumps and minor forest produce burn the

grass in order to be able to get about easily and to see the produce clearly. The conservator considers a hard and fast rule as to width of line is not called for; it may require to be 300 feet wide in places and in others a 10 feet line suffices.

Three hundred and fifty-three fires which originated inside the reserve or fire-traced areas burnt in all 73,888 acres and were caused either through carelessness or accident by purchasers of forest produce or by villagers and travellers passing through the forests. In *Ganjám*, where twenty-seven fires were reported no offender was detected. In *Vizagapatam* much damage was done by charcoal burners in the Palkonda range up to the end of March when the issue of permits for charcoal was stopped and a warning issued that, if fires continued to occur to any extent, no permits would be issued for any kind of forest produce till the end of the fire season. This warning is reported to have had the desired effect and no fires occurred in the range after the first few days in April. The Sinivaram and Dharakonda reserves were protected from fire by the grant of certain concessions and rewards to the villagers in the neighbourhood. In *South Salem* two fires, which burnt 2,200 acres of felled coupes in the Shevaroys west and north working circles, are ascribed to travellers throwing down burning tobacco either wantonly or by accident.

The total number of fires caused intentionally in order to obtain new grass or to turn out game fell from 263 to 198 and the area was reduced from 93,772 acres to 62,816 acres; but the number of fires caused maliciously increased from 39 to 80, the increase being noticeable in *North Arcot* and *South Canara*. The result of the prosecutions for malicious firing is given in appendix to Form No. 50. In regard to the fires in *North Arcot*, the Collector states as follows:—

"As compared with the previous year there has been a satisfactory reduction both in the number of fires as well as in the area burnt. But the number of fires is still very large and for most of these graziers are responsible. Unless these men are punished either by closing areas burnt or by the raising of grazing fees, fire conservancy will show little or no improvement. Proposals for the levy of enhanced grazing fees are being considered."

In *Anantapur* 12 fires which burnt 14,170 acres were due to the exercise of the concession of pig and hare hunting on Telugu New year's day on the outskirts of certain reserves. In *North Salem*, ten fires were attributed to Irulars kindling fires for cooking within reserved forest. In *Bellary*, *South Arcot* and *South Canara*, punitive measures were adopted in a few cases of wilful mischief: grazing fees were raised and this coupled with warnings to the adjoining jaghirdars are reported to have had the desired effect in *South Arcot*. In *Tinnevelly* several fires were attributed to graziers as in *Bellary*, and the compartments affected in the former district were closed to grazing as a penalty.

The number of fires, the origin of which could not be traced, rose from 345 to 445 as also the area burnt from 115,256 acres to 289,050 acres. In *Kurnool* owing to copious rains the grass in the Nallamalais was exceedingly high and dense and the enormous area covered by these forests was burnt practically from end to end. The chief malefactors are the Chenchus who are very hostile to the department and proposals are now being made to induce them to stop firing the forests by the grant of some concessions and rewards—a scheme attended with successful results in the Vizagapatam district. The Collector of *Anantapur* reports that it was impossible to trace the offenders in regard to the 36 fires which burnt a large area of 21,711 acres though Rangers were on the spot while the fires were burning. In *Cuddapah* more fires were reported because of an improved system of reporting and a comparison of the results of fireprotection during the last two years would therefore be misleading. Owing to late rains it was very difficult to cut and burn the lines at the usual time and the growth of grass was so luxuriant that on many areas it was impossible to face any fire that occurred. The early fires went on till they reached evergreen belts or streams, while the later fires were mainly checked by reaching the areas already burnt. In the upper Seshachellams and Palkondas, the cattle penners were suspected to be the chief offenders and the question of forbidding penning from March to September in these areas is under consideration by the Collector In *North Coimbatore* 118 fires occurred in the unprotected areas and burnt 48,937 acres. In no one single instance was the closure of forests asked for in this district—a fact which the Conservator considers unsatisfactory in view of the number of fires.

On the general subject of Forest Fire Conservancy, the Conservator, Central Circle, is of opinion that as each working circle is planned for, its fire conservancy will be so regulated that yearly success will be more certain and over a larger area.

(*c*) *Protection from cattle.*

16. The areas open and closed respectively to grazing in each district are shown in Form No. 52. 1,696 square miles were closed to all animals during the whole year and 191 square miles for a portion of the year against 1,867 and 50 square miles, respectively, during 1902–1903. The percentages of forests open to grazing and browsing to the whole area are 87·8 per cent. and 3·6 per cent. respectively.

Goat Browsing.—Goats were excluded from all reserves in *Ganjám*, *Vizagapatam*, *Anantapur*, *South Arcot*, *Trichinopoly*, *Tanjore* and in all the districts of the Southern Circle excepting *South Malabar* and *Madura*. In *Bellary*, they were admitted over 81 square miles. In the Proddatur, Cuddapah and Pulivendla taluks of the Cuddapah district the goat owners petitioned Government to reduce the rate to As. 4 per goat and there is reason to believe the local subordinate staff were concerned with the petition. On enquiry, however, it was found that the people were able to pay the enhanced rate of As. 8. Permits for 9,589 goats were issued as against 1,816 in the preceding year, a result which proved that the grievances were not real. In *Nellore*, the areas open to goats and sheep were increased by the rearrangement of the goat browsing blocks in the Rapur taluk on a biennial rotation system. In *Chingleput*, only half a square mile being the artillery range was open to browsing. In *North Arcot*, a larger area was opened for goat browsing than in the previous year, but owing to the raising of the rate to As. 12 per head no permits were taken. In *South Salem*, 7 square miles of reserved forests were open for goats in the Salem East range but elsewhere the unreserved wastes of the charge were held to suffice for this purpose. In *South Malabar*, only 54 acres were open to browsing.

17. The following table gives an analysis of the cattle impounded during this and the previous year with the average for the three years preceding :—

Districts.	From open forests.		From closed forests.				Total.		Average for the three years ending 1902–1903.
			Holding permits for open forests.	Having no permits.	Hoding permits for open forests.	Having no permits.			
	1902–1903	1903–1904.	1902–1903.	1902–1903.	1903–1904.	1903–1904.	1902–1903.	1903–1904.	
Northern Circle.									
Ganjám ..	1,049	565	..	1,421	..	3,060	2,470	3,625	3,200
Vizagapatam ..	1,541	2,532	..	..	..	..	1,541	2,532	3,755
Gódávari ..	3,603	3,084	..	688	..	430	4,291	3,514	4,980
Kistna ..	6,044	4,018	1,256	9,880	581	5,923	17,180	10,522	32,802
Kurnool ..	31,093	25,718	..	5,572	..	1,772	36,665	27,490	29,098
Bellary ..	13,700	22,545	..	568	..	1,283	14,268	23,828	9,989
Anantapur ..	17,785	19,110	..	268	..	2,039	18,053	21,149	23,025
Total, Northern Circle ..	74,815	77,572	1,256	18,397	581	14,507	94,468	92,660	106,852
Central Circle.									
Cuddapah ..	16,173	15,341	..	30,182	..	17,094	46,355	32,435	66,334
Nellore ..	27,396	19,526	..	30,833	..	10,774	58,229	30,300	52,207
Chingleput ..	5,159	4,534	..	509	244	480	5,668	5,258	9,302
North Arcot ..	16,087	10,463	..	20,814	99	9,817	36,901	20,379	59,050
South ,, ..	37,771	35,045	..	17,136	..	16,456	54,907	51,501	69,818
North Salem ..	5,419	3,765	..	7,390	..	4,802	12,809	8,567	24,245
South ,, .	4,144	7,402	..	9,193	113	604	13,337	8,119	
Trichinopoly ..	15,175	5,604	..	1,163	..	499	16,338	6,103	15,316
Tanjore ..	993	962	..	45	..	79	1,038	1,041	1,228
Total, Central Circle ..	128,317	102,642	..	117,265	456	60,605	245,582	163,703	297,497

Districts.	From open forests.		From closed forests.				Total.		Average for the last three years ending 1902-1903.
			Holding permits for open forests.	Having no permits.	Holding permits for open forests.	Having no permits.			
	1902-1903.	1903-1904.	1902-1903.	1902-1903.	1903-1904.	1903-1904.	1902-1903.	1903-1904.	
Southern Circle.									
South Canara ..	837	1,054	..	101	..	53	938	1,107	1,234
North Malabar ..	..	232	..	..	..	13	..	245	62
South ,,	21	..	..	1	..	80	22	80	72
The Nilgiris ..	352	557	396	89	130	61	837	748	1,187
North Coimbatore.	6,524	5,067	..	1,287	..	1,196	7,811	6,263	5,452
South ,,	4,660	2,852	2	1,099	37	251	5,761	3,140	3,562
Madura ..	11,884	18,924	..	..	..	..	11,884	18,924	7,988
Tinnevelly ..	1,399	932	..	1,686	788	3,606	3,085	5,326	4,502
Total, Southern Circle ..	25,677	29,618	398	4,263	955	5,260	30,338	35,833	24,060
Grand Total, Presidency ..	223,809	209,832	1,654	139,925	1,992	80,372	370,388	292,196	428,410

The number of animals of all classes impounded during the year was 292,196 against 370,388 of the previous year and 428,410 of the average of the previous three years. The decrease is most noticeable in *Kistna*, *Cuddapah*, *Nellore*, *North Arcot*, *South Arcot* and *Trichinopoly*. In *Kistna*, the decrease is accounted for by the increase in the number of cattle licensed. In *Cuddapah*, heavy compounding fees had a deterrent effect on the graziers and goats in some taluks were sold by the owners on account of the enhanced rate. The marked fall in *Nellore* was due to the abolition of the Parcellaire system during the year, to the introduction of the Kancha system under which 12,972 acres of reserved forests were leased to cattle breeders and agriculturists for grazing their horned cattle under such conditions as made the lessees responsible for the protection of the blocks and to the introduction of the goat browsing scheme on a biennial rotation system in the Rapur taluk which threw open a larger area to goats and sheep at convenient distances from the villages concerned. The introduction of the system of issuing a single permit current throughout the district had also the effect of reducing the number of cases of illicit grazing and therefore of the number of animals impounded. In *North* and *South Arcot*, greater vigilance on the part of the forest subordinates and the cattle owners' knowledge of the penalties for default in the former district and the rise in the number of permits taken in the latter accounted for the decrease. In *Trichinopoly*, the decrease was due to the effective supervision over illicit grazing of cattle and more especially of goats in the Musiri and Perambalúr ranges as a result of which most of the cattle owners have sold many of their goats to the ryots of the adjoining districts. It should also be mentioned that successful prosecution of corrupt subordinates tended to more honest observance of the rules. The number of animals impounded showed a marked increase only in *Bellary* and *Madura*, on account of additional reservation and closure of greater area to grazing and goats in the former and principally to strict enforcement of rules to prevent illicit grazing with the connivance of forest subordinates in the latter.

(d) Protection against injuries from natural causes.

18. In Ganjám, specimens of casuarina attacked by fungus as well as of fungus attacking the roots of the same species were sent to the Cryptogamic Botanist to the Government of India who pronounced the former to be of a hitherto undescribed species. The root attacking fungus appears externally in nodules such as are found on the roots of Leguminous plants. The boring larvæ referred to in the previous year's report as destroying a number of casuarina trees were identified by Mr. Stebbing as *Arbela teraorius*. These larvæ reappeared in September and did more damage than in 1902-1903. Preventive measures were adopted to exterminate them and it remains to be seen if they will again appear. In *Gódávari*, certain *insects* in the Marrigudem range found on the leaves of the trees were sent for identification and for suggestions how to destroy them. In the Rekapalle range beetles were found to bore into *Xylia* trees and specimens are under identification. It is not yet possible

to determine the success or failure of the preventive treatment adopted in Kistna whereby the breeding of beetles was hampered by the clearing of all decaying matter. The drying up of the crowns of older casuarina trees is now considered to be due more or less to hard sub-soil being met by the tap root. In *Anantapur*, the leading shoots of *Anogeissus latifolia* in the Penukonda range were attacked by some insect which was being traced. In *Cuddapah*, mention was made in the previous year's report of parasites. The Collector thinks that they can scarcely be termed natural and that they are due to injury caused by cattle, fire, etc. Until working plans are framed it is not considered feasible to remove these diseased trees. The Kodur plantation was in danger of being washed away by the river and, to prevent this, steps have been taken since the close of the year. In *Nellore*, the casuarina borer caused much less damage to the plantations than formerly. In *North Arcot*, in the Chandragiri range damage was caused by game to the young shoots in the coupes in Mamandur and Chamala valleys. In view to minimise the damage caused by insects to casuarina trees in the plantations of the Vellore range it is proposed to grow casuarina in future mixed with broad leafed species. In *Trichinopoly*, attempts were made to check the growth of prickly-pear by attaching to healthy leaves pears affected by fungoid-disease, but as yet we have been unable to spread the disease which Dr. Butler is now studying. Its presence has been traced through South Arcot, North Arcot, Trichinopoly, Tanjore and Cuddapah. In *South Canara*, the small teak plantation in Jettukattumale containing less than 100 trees was attacked by a species of caterpillar. The lantana in *North Malabar* referred to in the previous year's report continued to spread and measures were taken to remove it by burning and digging it out. In *South Malabar*, the defoliator appeared in all the teak plantations and about 75 per cent. of the trees were stripped. In Chathamborai and Valluvacheri, 541 acres were cleared of parasites at a cost of Rs. 320. The mahogany borer is still prevalent and no steps are yet reported to have been taken against it. Floods in the river have caused some damage to the teak and in some cases to the bamboos introduced along the river banks. In the *Nilgiris* the sandalwood plantations in Sigur and Kunjapanai were cleared of creepers and lantana to facilitate growth of seedlings.

4. Sylviculture.

(*a*) *Natural Reproduction.*

19. *Northern Circle.*—In *Ganjám*, timely rains helped to bring about a good reproduction of sâl from seed, and numerous seedlings have come up. Other important species that have seeded well are notably *Chloroxylon swietenia*, *Terminalia tomentosa*, *Pterocarpus Marsupium* and *Anogeissus latifolia*. The season was so favourable that even *Holoptelea integrifolia*, which is a comparatively rare species in this district, has also seeded well. Reproduction from coppice was also excellent, as shoots of five feet in height in the sâl coupes of Russellkonda and of six feet in height in the Mohiri Hills were seen in June. The species that coppice best in the Mohiri Hills are *Pterospermum suberifolium*, *Cleistanthus collinus* and *Grewia tiliæfolia*. In *Vizagapatam*, reproduction from seed and rootsuckers was good in the fire-protected areas of Golgonda range, and that from coppice was satisfactory in all coupes under systematic treatment, and especially in the Palkonda range. In *Gódávari*, some species, such as *Rhizophora* (mangrove), *Hardwickia binata* (yepi) and *Terminalia tomentosa* (maddi) have seeded profusely; but in some cases the seedlings died in the hot season when the ground dried. In *Kistna*, reproduction from seed in some forests, and from rootsuckers in others, was good. There was some luxuriant growth of babul in Bezwada range, the trees reaching a height of 10 feet in three years. It was noted that even very little grazing hampered regeneration. There was the usual reproduction from seed in the mangrove swamps; but any reproduction from seed or rootsuckers was difficult to discover, the reason probably being that swamps reproduce only above high water level. In *Kurnool*, reproduction from seed was very poor owing to extensive fires. Reproduction from coppice in the Nallamalai coupes is promising. In *Bellary*, natural reproduction of *Hardwickia binata* from seed was good in the leased forests and in the specially protected yepi block of Bellary reserve. There was no natural reproduction from seed in other parts, because of excessive grazing and the dry nature of the soil. Reproduction from seed was good in all areas which had been felled over and placed under special protection. In *Anantapur*, the reproduction of all the species in Kothakota reserve, which was

specially protected and closed to grazing, was above the average, by reason of the exceptionally good monsoon and in this reserve *Hardwickia binata* seedlings did not die off so much as usual. In Muchukota, fires destroyed the seedlings. The regeneration of *Acacia arabica*, *Chloroxylon swietenia* and *Dolichandrone crispa* was good, especially of the last, which is likely to become the most useful tree in the district for general building purposes.

Central Circle.—In *Cuddapah*, germination is very much facilitated by the barrenness of the soil and absence of undergrowth, but the fires cause most of the seedlings to grow crooked. Redwood appears to withstand forest fires better than any other tree as also Satin wood on account of its corky bark, though up to three or four years old it is apt to be ruined by fire. Fires on the Upper Seshachellams have converted the splendid forests of *Shorea tumbuggaia* into useless scrubs of *Eugenia alternifolia* as the latter species is only dwarfed, whereas the former, when young, is ruined by the passage of fire. The reproduction of teak is good along the Mintala river. The reproduction from coppice is good in areas under improvement fellings in Cuddapah and Sidhout ranges. In all coupes, the coppicing of the more valuable species is vigorous, particularly that of redwood, but as the shoots fork at from 3 to 8 feet from the ground, the value of this class of produce is much reduced. In the Cuddapah and Sidhout low level forests, the wonderful coppicing power of *Dolichandrone crispa* has enabled it to survive all other species. In the Balapalle coupes dense crops of two species of *Strobilanthes* have covered the ground and suppressed even the seedlings of evergreens which too do not coppice well in these moist areas. Natural reproduction from seed or from coppice is not encouraging in *Nellore*, except in the case of certain palmyra topes and coupes. In *Chingleput*, seedlings were washed away in the excessive floods in December last, but the coppice growth of the season has been good. In *North Arcot*, reproduction from seed in all the fire protected areas closed to grazing is encouraging. It is suggested that the exclusion of goats from reserves will greatly aid natural reproduction. In *South Arcot* and *North Salem*, reproduction by seed and coppice is satisfactory because of the favourable season. This year *Hardwickia binata* was rather sparing in its fructification. In *South Salem*, seedlings of *Prosopis Spicigera* and *Melia indica* have come up in the Mallapuram specially protected block and they are thriving. In other reserves seedlings of these species appear after the rains and die during the hot weather. The reproduction by seed of *Acacia arabica* and *leucophlœa* was fair. Self-sown seedlings were seen in the Pachamalai reserves of the Musiri and Perambalur ranges of *Trichinopoly* district, where the effects of fire protection and closure against grazing have generally aided natural reproduction. Sandalwood seedlings were in a thriving condition in the Sengathur reserved forest of the Perambalur range. In *Tanjore*, the regeneration by seed is satisfactory in all reserves. Memecylon reproduces itself well from coppice and a good growth of this species is found in Vettangudi reserved forest.

Southern Circle.—In *South Canara*, reproduction by coppice is satisfactory in the areas felled over for firewood. In *North Malabar*, reproduction of teak from coppice shoots is good, but that from seed is not satisfactory. Where the cover and undergrowth are dense, the great majority of the seeds rot and even if they germinate, the seedlings do not thrive well. In the areas which had escaped fire for some years wherever the canopy is fairly open, the growth of young saplings is good. In *South Malabar*, natural reproduction by seed in Eddacode under the improvement fellings is reported to be good, and seedlings are abundant but endangered by the thick growth of rank vegetation coming up with them. Coppice shoots in the same locality are reported to be from 3 to 4 feet high. In the *Nilgiris*, in the protected areas growth from seed is good, but in the unprotected areas seedlings have to a great extent been killed. Coppice growth is excellent in the portions where improvement fellings have been made. In *North Coimbatore*, reproduction of sandal is reported to be good. In areas closed to grazing and protected from fire, other species reproduce themselves in patches. The trees that best reproduce by seed are *Pterocarpus Marsupium*, *Terminalia tomentosa*, *Tectona grandis*, *Hardwickia binata* and *Vitex*. Reproduction by coppice is said to be excellent in the case of sandal and it is also noticeable in the case of *Dalbergia latifolia* and *Ougeinia dalbergioides*. In *South Coimbatore*, seedlings of teak, *Terminalias*, *Dalbergia latifolia* and other species are frequently met with in parts where there is not much undergrowth. The soil especially on the west of the Pollachi Range is too rich and the undergrowth far too dense to allow of good reproduction of the better species. In *Madura*, in the evergreen forests which have

not been worked, reproduction by seed is satisfactory. Efficient protection from fire and grazing will much aid coppice growth. In *Tinnevelly*, natural reproduction is excellent over all areas successfully protected from fire and closed to grazing. *Pterocarpus Marsupium* germinates freely and it is admirably suited to the steep middle belt of the hill reserves, being capable of supporting more shade than teak which would also thrive well in the belts, but for the fact that the seedlings are suppressed from insufficient light. In the evergreen forests natural reproduction by seed is good and the two valuable species *Hopea parviflora* (white kongu) and *Balanocarpus* (black kongu) reproduce freely. But the former requires much light and for this purpose useless species should be wringed and small clearings made near seed bearing trees. Improvement fellings also benefit to a little extent the growth of these seedlings. In all the working circles worked under the coppice with standard system, shoots are coming up very vigorously. A coppice shoot of teak at Kuttalam has in about a year attained a height of 20 feet. In worked coupes seeds are dibbled in to aid natural reproduction, it being found that sowing seeds proved useless.

(b) Artificial Reproduction.

20. The areas under plantations, and topes or subjected to cultural operations as well as the cost incurred are given in Form No. 54.

Regular plantations.—Planting in the casuarina plantation at Agustinowgam in *Ganjám* was not undertaken, but the nursery which contained seedlings of casuarina, *Dalbergia sissoo*, *Melia Azadirachta*, *Tamarindus indica*, *Thespesia populnea* and *Sapindus trifoliatus* was maintained. In *Vizagapatam*, divi divi plants planted in Narasapatam fuel working circle are thriving well, but those in the Garugupalli tope died. This species requires light shade when young. In *Gódavari*, 47 acres in Bendamurlanka and 38 acres in Kandikuppa plantations were planted with casuarina, and previous recent plantings were watered. In *Kistna*, casuarina was planted as usual in Gopuvanipalem reserve, but there was a great mortality from neglect of watering. Margosa planted in the Bezwada range is flourishing as also the aloe planting along the boundary lines. In *Cuddapah*, certain coupes in Balapalle East working circle were planted up. In *Nellore*, 375 acres of the area under casuarina working plan and three other plantations were planted with casuarina and 22·75 acres of Kollurpadu plantation with *Melia indica* and other selected species. The watering of the previous years' plants was carried out and the experiment of not watering the plants older than eighteen months proved successful. In *North Arcot*, a nursery for raising teak, redsanders, *Melia indica* and other indigenous seedlings, was started at Reddigunta and a few small plantations in Palmaner. In *South Arcot* 31·34 acres of Cuddalore coast plantations were planted with casuarina. In *North Salem*, only about 30 per cent. of the sandal seedlings planted along the *Inga dulcis* hedge in the Andiyappanur rest house compound survived, but the casualties were replaced. The Sandal seedlings that had come up well in the Naganur tope withered in the hot weather. In *South Salem*, the small silver oak plantation on the saddle of Sanyasimalai reserve was extended during the year by five acres, but the plantation was burnt by fire crossing the fire line. Twelve graft mangoes were planted in the Mallapuram bungalow compound also 2,800 aloe suckers along the fence of the Harur bungalow compound and all are thriving. In *Trichinopoly*, about five acres in the Kurichimalai reserve were planted with *Tamarindus indica* and *Bassia longifolia*. In *Tanjore*, about 40,000 casuarina plants were planted in the north and south casuarina plantations and the previous plantings were watered and maintained. In *South Canara*, a part of the small casuarina plantation at Tannirbhavi was eroded by the sea. In *North Malabar*, no regular plantations were formed during the year, but 38 acres in the Begur Range and 100 acres in the Chedleth range were prepared for planting. Out of 116 acres prepared for regular plantation in the previous year in the Amarampalam range of *South Malabar*, 111 acres were planted with teak and the rest with *Swietenia macrophylla* and *Pterocarpus Marsupium* seedlings. The casualties in these and in the plantations of the previous years were replaced. In the *Nilgiris*, teak and *Mahogany* seedlings were put out in Mudumalai to replace casualties. No other planting operations were undertaken It is believed that the existing teak plantations would benefit by underplanting with some shade-loving species. No fresh plantations were started during the year in *South Coimbatore*, *Madura* and *Tinnevelly*, but the growth in the existing plantations of teak and blue-gum in *Madura* was good.

Taungya plantations.—Thirty acres of this kind of plantation were formed during the year in *North Malabar* and 25 acres in the Marrigudem range of the *Gódávari* district.

Cultural operations.—In *Ganjám* to protect sal seedlings against sun, seeds of *Anogeissus latifolia* were sown along with sal, and germination is reported to be satisfactory, but it is too early to give any definite result. Certain areas were also ploughed up and sown broadcast. In *Gódávari* 359 acres in Coringa range and 25 acres in the Marrigudem range were sown with mangrove and teak seeds respectively. In *Kistna* extensive sowings of *sissoo* were started in Bandur and Bápatla ranges and have proved successful, while germination of palmyrahs sown along boundary lines failed. In *Bellary*, a system of mound-sowing was proposed by Mr. Arbuthnot, but was not sanctioned by the Conservator for want of further information, but sowings under this plan will be undertaken in the current year. This system consists in making mounds one to two feet high on which seeds are dibbled before the rains. They are then left to themselves and are not watered and the plants are reported to come up well. Sowing operations in *Cuddapah* were on the whole unsuccessful this year, owing to the excessive moisture of the soil in some cases and in others to the unsuitability of the soil in respect of the seeds of the species sown. In *Nellore*, *Melia indica* and *Pongamia glabra* were sown, but the former did not germinate and the seedlings of the latter died during the hot season. In *Chingleput*, the babul plants from the seeds that germinated so well during the previous year, were all destroyed by the floods of December. Of the date and palm seedlings 20 per cent. thrive well. About 50 per cent. of the indigenous seeds sown germinated in *North Arcot*, but only a very small number of the plants survive. No sowing operations were undertaken in *South Arcot* and *North Salem*, while the operations undertaken in *South Salem* proved a failure. In *South Canara*, 229 kumeri passes were issued to the Mahraties, a hill tribe, who kumeried an extent of 470 acres and collected 14,994 seers (of 80 tolas) of teak, *Terminalia tomentosa* and *Pterocarpus Marsupium* seeds which were sown in the areas cleared by them. The number of surviving plants from previous years is reported to be 17,819. A large quantity of *Hopea parviflora* seed was also dibbled in near streams in the kumeries and in other suitable places. No cultural operations were undertaken in *North Malabar*, while those undertaken in certain plantations of *South Malabar* by the planting of seedlings of selected species, were only partially successful. Two hundred indigenous bamboo seedlings also were planted along the river side of old Amarampalam reserve. Attempts to reproduce sandalwood in *North Coimbatore* have not been successful, while palmyrah seedlings came on well. Teak seedlings planted in Tekadi leased forests of *South Coimbatore* and those put out in the previous years are all thriving. In *Tinnevelly*, the attempts to reclaim the sandy waste were attended with success and two-thirds of the banyan cuttings put along a road in the above have established themselves. The sowing of palmyrah seeds was partially successful.

(c) Operations for the Improvement of Growing Stock.

21. *Northern Circle.*—Improvement fellings were carried on in coupe 3 of Kurcholi reserve in *Ganjám*, in 25 acres of Pengha in *Gódávari* and 5,119 acres in the fuel working circle in the Nallamalais, *Kurnool*, and the produce from the last provided 20,000 tons of fuel to the railway, besides some timber. Creeper cutting was as usual effected by the subordinates throughout the *Gódávari* district except in the Delta range.

Central Circle.—Thinnings in a portion of the Kodur Redsanders plantation, girdling of large spreading Sundra trees and cutting of creepers on teak trees were carried out in *Cuddapah*, while certain compartments of casuarina plantations in *Nellore* were pruned. Prickly-pear was removed from Pulrambakkam reserve, *Chingleput*, and from plantations in *North Arcot*, and wherever necessary weeding and cutting of creepers were carried out in felled coupes in both these districts also in the Redsanders areas of *North Arcot*. In *South Arcot*, bamboo clumps were thinned and dead trees removed from casuarina plantations. Thinnings of a few suppressed tamarind trees, removal of prickly pear, dead and withered trees from certain topes, and creeper cuttings in felled areas were the operations carried out under this head in *North Salem*. The Nallur tope in *South Salem* was leased out on cowle tenure for five years for the eradication of the existing thick growth of prickly-pear, on

condition that the whole of it should be cleared in the first year, and the hedge maintained and trees protected. In return, the lessees were allowed the use of any crop they may grow on the ground, leaving sufficient space for an officer's camp uncultivated. All unsightly, gnarled and dead trees were removed in the Udaiyár-pálaiyam and Kulitalai ranges of *Trichinopoly* district.

Southern Circle.—In *South Canara*, thinnings were made over 60 acres, creepers were cut over 1,000 acres and useless trees, such as *Bombax Malabarica* and *Odina Wodier* were girdled where found in the firewood coupes. The plantations of the three ranges in *North Malabar* were weeded and also some of the plantations in *South Malabar*. Creeper cuttings, thinnings, prunings and cutting of saplings are also reported from *South Malabar*. Suppressed, dying, dead, wind blown, and top-broken trees were felled, where their retention was thought inadvisable. Improvement fellings and girdlings were also carried on. In the *Nilgiris*, thinnings were carried out in the teak plantations, crooked unsound saplings were removed, and the upright stems pruned. In *North Coimbatore*, improvement fellings and extraction of sandal were carried out. In *South Coimbatore*, ten compartments of the Walayar working circle aggregating 1,487 acres were given on contract for bamboo thinning, leaving bamboo clumps under two years old.

The Collectors have not reported specifically with reference to the remarks of Government in its review of the administration report for the year 1902-1903 on the question of the arboricultural development of the more important reserves and the provision made for special forest requirements of each district or group of districts. Their attention will be invited to the subject, and they will be directed to refer to it in the current year's report.

(*d*) *Experiments.*

22. The results of experiments made with exotics and other plants are given below. The subject of concentrating experiments in selected localities under selected officers has been dealt with separately and the question is now before the Board :—

Acacia planifrons.—The seeds sown in *Kistna* germinated, but transplanting met with little success.

Agave ixtle.—There are now 38 plants in the Palamadi and Kylasagiri reserves, *North Arcot*, and 103 in four topes of Palmanér range.

Bamboos.—The growth of bamboos in *Tinnevelly* was extended with some success by sowing seeds and planting seedlings. In *South Malabar*, there are 8 young clumps of giant bamboos, 7 of yellow bamboos (*Bambusa vulgaris*). *Cephalostachyum pergracile*, *Dendrocalamus longispathus* and *Bambusa longispathus* are found all along the streams in almost all the plantations.

Rubber trees.—Rubber seeds sown in *Godávari* are reported to have germinated. The four plants reported to be thriving in the Palmanér range, *North Arcot*, have died.

(*a*) *Landolphia Kirkii.*—The two seedlings referred to in *South Malabar* last year have died.

(*b*) *Landolphia florida.*—Twenty-two of these mentioned in last year's report in *South Malabar* are doing well.

(*c*) *Ceara.*—The sowings made in *South Canara* have not germinated, and the same is reported from *North Malabar* and *Tinnevelly*. The result of sowings in *South Malabar* and *North Coimbatore* is not yet ascertained, for germination is slow, the shells being hard. The plants in *South Coimbatore* are doing well and have attained a height of 12 to 20 feet, their girth being only $10\frac{1}{3}$ inches. As reported last year, the species is not valuable as it produces little or no rubber of value.

(*d*) *Ficus elastica.*—The young plants that were ready for transplanting at the close of the previous year were put out along the pathways in Napier Park reserve and in the Forest rest-house and the new Range office building at Russellkonda in *Ganjám*. Experiment in *Nellore* has proved a failure.

(*e*) *Hevea braziliensis* (*Para Rubber*).—The trees at Melpet, *South Arcot*, fruited during the year and the seed was collected. Sowings in *South Canara* and *Tinnevelly* proved a failure as also in *North Coimbatore*, *South Coimbatore* and *South Malabar*. The seeds sown in *North Malabar* germinated only partially. The trees planted in 1898 are doing well. The 24 trees in *South Malabar* are not healthy, due probably to the tapping of the trees in the previous year. Experiments are being made in the Kullar forest nurseries, *Nilgiris*, by the Curator of the Government Gardens.

(*f*) *Kicksia africana.*—The existing 27 trees in *South Malabar* are doing well and are about 6 feet high.

(*g*) *Dichopsis elliptica.*—This tree is numerous in the evergreen forests of *Tinnevelly*. A sample of its latex was forwarded to Madras for analysis and showed 15 per cent. caout-chouc. It is said to be used as an adulterant of good rubber. A market is being sought for it.

(*h*) *Manihot glaziovii.*—There is one tree in *Kistna* which is 20 feet high and 2 feet in girth and has produced 40 seedlings and saplings.

Date trees.—A number of seedlings of edible date were ready for transplanting in the Napier's Park nursery in *Ganjam*. Edible date plants transplanted in the Kandikuppa plantation of *Godavari* are reported to be growing slowly. Date sowings in *Kistna* were attended with very limited success. From this it might probably be inferred that where natural date growth does not already exist, the soil is unsuitable. Arrangements were made to cultivate edible dates in *Kurnool*. Though there still exist a number of such trees chiefly in compounds of rest houses in *North Arcot*, yet their experimental growth is a failure. The surviving dozen plants in *Trichinopoly* showed no progress and the cultivation here is not a success. No fresh experiments were made in *Tanjore*. There was one casualty and 132 plants survive.

Divi Divi.—Seedlings planted in *Gódávari* and *Kistna* in certain compounds and reserves are reported to be thriving. Seeds sown in Srîharikóta nursery, *Nellore*, have germinated and the plants are flourishing. About 2,000 trees are now surviving and in good condition in the Kilminnel plantation in the Vellore Range, *North Arcot*. These yield not less than three candies of pods every year. Of the four trees that existed in *North Salem*, one died and the rest appear sickly and stunted.

Durian plants.—The plant at Manantoddy in *North Malabar* is now 36 inches high, having grown 5½ inches during the year. The one plant in *South Malabar* is doing well.

Eucalyptus.—There are trees in all the Palmanér plantations, *North Arcot*, but only at Venkatagirikota can they be said to thrive where a couple are four feet in girth.

Mahogany.—Seeds sown in Marrigudem Range, *Gódávari District*, have germinated and some of the plants put out in compartment No. VI of Rekapalli Hill Reserve are thriving. Seeds sown under the shade of a tree in a nursery at *Bellary* have germinated and the plants are doing well. The surviving plants in *Cuddapah* are only 95 out of 130 in the last year. The soil seems to be shallow and unsuitable. The seeds sown in Srîharikóta nursery, *Nellore*, have not germinated, while those in the nursery at Kollurpadu plantation have come up well. The trees in Vellore and Palmanér Ranges are in good condition. Out of 512 seeds sown in each of the different ranges of *North Arcot*, 90 in Chittoor and 3 in Palmanér germinated and 81 of the former survived. None germinated in the other ranges. The sowings in *South Arcot* were mostly failures and about one-fourth of the plants put out in the previous year died. All the surviving plants in the Vettangudi reserved forest, *Tanjore*, are thriving and vary from 14 to 35 feet in height and from two to six feet in girth. The existing plants in Puttúr and Udipi Ranges, *South Canara*, are also thriving; but the attempts to grow the tree in Coondapoor and Uppinangadi Ranges proved a failure. The trees in Aravillikava, *South Malabar*, have improved now more light is let in from pruning the trees and from cutting the dominating teak trees. They are 24 years old, 48 feet in height and 26 inches in average girth. The seeds sown in the office nursery have not germinated. The trees in the *Nilgiris* are doing fairly well. In *South Coimbatore* most of the seed sown did not germinate and the few seedlings all died. Of previous years plants 325 are growing well. The success of this species in *Tinnevelly* is assured and its growth can no longer be regarded as experimental. Two of the trees seeded but germination from the seed collected was not entirely successful. The plants of previous year are between seven and eight feet in height.

Swietenia macrophylla.—The sowings during the year in *Kistna* and *South Arcot* proved a complete failure. There were 16 fresh casualties in the surviving plants in the latter district and a good number raised in the previous year died from neglect and ignorance on the part of Range officers. The plants in Puttur Range office compound, *South Canara*, number 56 and thrive well as also those in *North Malabar*.

The old tree in Chathambarai, *South Malabar*, is now 32 years old, is 94 feet in height and 82 inches in girth having grown 2 feet in height and 1½ inches in girth during the year. This tree has not yet begun to flower, though younger trees in other localities bear fruit. The trees planted in the several teak plantations are growing well, though many were destroyed by deer and sambur. The seedlings raised in the previous year were planted and are doing well, though some of them did not survive in two plantations probably on account of the unsuitability of the soil. The seedlings raised from 1,214 sound seeds collected and sown during the year from two trees on the Nilambur Hill were put down in Chathambarai and are now on an average 9 inches high. The seeds sown in the office nursery did not germinate. The plants in the Alagiri Hill reserve in *Madura* are thriving.

Pterocarpus indicus.—The three plants in Manantoddy, *North Malabar*, are now between 30 and 36 inches in height having grown 15 to 20 inches during the year.

Paspalum dilatatum.—The experiments made in *North Arcot* and *South Arcot* proved a failure, except in a certain reserve in *South Arcot* where too the growth was not flourishing. The sowings in *South Salem* were partially successful. The grass introduced in the Vengur padugais, *Trichinopoly*, established well and yielded a crop of 50 lbs. of seeds and 1,875 lbs. of grass. It yielded three crops under irrigation.

Pterocarpus santalinus.—Natural reproduction from seed of trees planted in a tope in *South Arcot* was very good. Attempts will be made to transplant the trees and spread the species in the forests. A number of seedlings were obtained from trees which seeded during the year in the Napier's Park reserve, *Ganjám*.

Pterocarpus macrocarpus.—Five specimens of this are flourishing in *South Arcot*.

Peltophorum ferrugineum.—The 24 surviving plants of 1886 in Vettangudi reserved forest, *Tanjore*, are doing well.

5. Exploitation.

(*a*) System of Management.

(i) *Major Forest Produce.*

(1) *Clear or Regeneration Fellings.*

23. *Northern Circle.*—Clear fellings were carried out over compartment II-C of Bandamurlanka plantation and compartments A1 and B4 of Kandikuppa reserve in *Gódávari*, in *Kistna*, over two coupes of casuarina and one of mangrove, and in *Kurnool*, over 26·6 acres in Veldurti reserve. In *Anantapur* coupe No. 1 of Illur reserve was cut over leaving 6 standards per acre.

Central Circle.—In *Chingleput*, 992 tons of babul wood and 2 tons of casuarina were cut and sold for Rs. 4,854. In *North Arcot*, an area of 38 acres in the Vanni-vedu casuarina plantations was clear felled departmentally and the fuel sold at Ranipet, also an area of 71·48 acres in the casuarina plantations of *South Arcot*, which was cut over by contractors. Fifty-one tons of babul wood extracted from three tank beds in the Dharmapuri taluk, *North Salem* were sold to the public at the Dharmapuri depot; Babul trees were felled in Muttampatti tank in Tiruppattúr and converted into charcoal of which 31 tons were sold at the Tiruppattúr depot. The produce on an area of 122 acres in *Tanjore* was sold for Rs. 2,811 to contractors who made their own arrangements for felling.

Southern Circle.—The casuarina plantation in the Tannirbhavi reserve in *South Canara*, 1·87 acres in extent, was clear felled and the produce disposed of for Rupees 1,058. In *North Malabar*, 120 acres in the Kurchiat reserve and 38 acres in Begur reserve were clear felled preparatory to planting the area with teak. The former was worked on contract and the good timber trees in the latter were extracted departmentally and other trees cut by the Kurumbers in return for the free grant of "tuckleland." In *South Malabar*, 100 acres were clear felled for the formation of a teak plantation and the gross amount realized for the produce was nearly Rs. 2,895.

(2) *Selection Fellings.*

24. *Northern Circle.*—In *Ganjám*, 300 dead trees in the three coupes of the plain sál working circles of Mojjaguda and Kukuluba ranges were removed by purchasers and the produce from the four sál coppice coupes was sold standing. In *Vizagapatam*,

there was little or no demand for the large timber stored in the Narasapatam depot and no selection fellings were undertaken. In *Gódávari*, 1,082 casuarina trees in two plantations were felled for supply to the Public Works Department for river protection works. In *Kurnool*, departmental operations were continued for the supply of timber to the two existing depots and for the collection of agricultural implements. Timber to the extent of 9,037 cubic feet was extracted at a cost of Rs. 3,026. Two hundred and sixty-nine *Anogeissus latifolia* poles measuring 1,776 cubic feet were sent to the Kolar gold field. No operations were undertaken in *Bellary* and *Anantapur*.

Central Circle.—In *Nellore* two compartments and part of a third in the Sríharikóta working circle were felled also four casuarina coupes and six coupes in the minor working circles. In *North Arcot*, casuarina from two plantations, sandalwood and timber from the Javadis and bamboos from the bamboo areas were cut and supplied to contractors and to the Vellore depot. In *South Arcot*, the bamboo areas in Tagarai and Parigam, were leased out on the usual terms. In *North Salem*, 1,393 cubic feet of sandalwood were collected and sold for Rs. 14,264 and 1,472 cubic feet of timber were supplied to the Remount depot and Royal Engineer Military Works, Bangalore, for Rs. 1,222; 4,700 cubic feet of timber and 91 tons were also cut for free supply to the poor of Vániyambádi who were rendered homeless by the floods of November last. Several tanks were worked in *Trichinopoly* for Babul fuel supply to the depots in Trichinopoly town.

Southern Circle.—The Porkal timber coupe in the Uppinangadi Range was felled in *South Canara*. In Chedleth range, *North Malabar*, teak, vengai and blackwood were selected and felled in coupe No. 4 and a small quantity of *Anogeissus latifolia*, *Shorea talura* and *Terminalia tomentosa* for supply to the Tank Mine and to Messrs. Pierce, Leslie & Co., and Mr. A. Brown of Calicut. In *South Malabar*, 500 trees of *Terminalia paniculata* were removed on permits. In the *Nilgiris*, teak, vengai and venteak from Mudumalai were felled and disposed of on tender to contractors. Timber was extracted from Tekadi leased forests in *South Coimbatore*. In *Tinnevelly*, Nangunéri forests were worked for timber through a contractor.

(3) *and* (4) *Improvement and Coppice Fellings.*

25. *Northern Circle.*—In *Ganjám*, 4 coppice coupes were sold standing and one exploited departmentally for fuel. In *Gódávari*, 92 acres were cut over under improvement fellings, and 1,435 acres under the coppice with standards system, as also coupes in the babul working circle and other areas of *Kistna*. In *Kurnool*, the prescribed coupes in the railway fuel working circle and in *Bellary*, the areas left uncut during the previous year besides those prescribed for the year itself were worked under the same system.

Central Circle.—Thirteen coupes in Cuddapah were similarly worked. Twenty-six coupes in Chingleput and nineteen in North Arcot, aggregating an area of 3,171 and 2,144 acres respectively, were sold during the year to be worked under this system. Fourteen others having an area of 700 acres were worked departmentally in *North Arcot* for the supply of fuel to the depôts, and certain conservancy blocks in the Chandragiri range by the ryots on payment for jaggery boiling. In *South Arcot*, one village coupe of 50 acres and one coupe of 54 acres in Tippakadu reserve, were undertaken departmentally, and 16 regular and 2 village coupes, 829 acres in all, were sold to contractors to be worked under this system. In *North Salem*, six fuel coupes were sold to contractors to be coppiced with standards one and two was worked departmentally. Twelve bamboo coupes were leased out to contractors to be treated under a combined system of coppice with standards and selection method. In *South Salem*, coupes in all working circles were felled standards being reserved. In *Trichinopoly*, all dead wood and branch wood in the upper anicut padugais were removed by contractors under improvement fellings, while 680 acres in the Váiyampatti range were cut under the coppice with standards system. In *Tanjore*, 178 acres in the three coupes of Vettangudi reserved forest were felled by the coupe contractor and 387 acres in the Tanjore working circle were also sold, but not felled (except three acres), the amount realised in all being Rs. 4,007.

Southern Circle.—In *South Canara* some coupes were given on contract for Rs. 3,138 to be worked under the coppice with standards system. In *South Malabar*, two coupes were partially worked under improvement fellings, while two other reserves under coppice with standards were cut over to supply railway fuel. In the

Nilgiris, certain Blue gum trees in the Ootacamund and Coonoor plantations were felled to meet public requirements. In *North Coimbatore*, improvement fellings were carried out departmentally in two ranges and under this system sandalwood was extracted, and one fuel coupe was worked by a contractor under coppice with standards; coupes in six working circles in *South Coimbatore* were also felled standards being reserved. In *Madura*, fourteen coupes were worked departmentally for the supply of railway fuel and twenty-six coupes on contract under pure coppice and coppice with standards. Two other coupes were also worked departmentally under a modified permit system the trees being felled at the cost of Government and the produce removed by permit holders on payment. In *Tinnevelly*, improvement fellings were carried out in one working circle, coppice with standards fellings in twelve and simple coppicing in five circles.

(5) *Unregulated Fellings.*

26. Felling and removal of produce under permits continue in almost all the districts but in most cases it was confined to unreserved areas besides being restricted to inferior classes of timber, fuel and bamboos required to meet local demand.

Northern Circle.—In *Gódávari* and *Kistna*, the permit system was in force in the reserves not brought under working plans, but no reserved or first class trees were permitted to be removed in the former district and in the latter wherever possible coupe felling was substituted.

Central Circle.—No unregulated fellings were made in *North Arcot* except in the Polur range, while in *North Salem* they were confined to unreserved areas. In *South Salem*, the permit system was in force for bamboos.

Southern Circle.—In *North Malabar*, a small quantity of timber, fuel and bamboos was removed under permit, most of the timber being removed from unreserves. In *South Malabar*, dead and wind blown trees from the teak plantations were removed departmentally and trees standing on the fire lines by contractors who also took bamboos for floating timber.

(ii) *Minor Forest Produce.*

(1) *Miscellaneous Produce.*

27. The right of collecting minor produce was very generally leased out to contractors in the usual way.

Northern Circle.—In *Vizagapatam*, 910 lbs. weight of canes, 37 lbs. of Tippile (long pepper) and 4 tons 1,900 lbs. of gallnuts were collected departmentally at a cost of Rs. 58-4-0. A little more than half the nuts were sold for Rs. 108, the rest remaining unsold. Mohwa seeds collected at a cost of Rs. 15 proved useless. In *Gódávari*, minor produce was exported chiefly from the agency tracts and the usual fees levied thereon. Some minor produce were also collected departmentally without cost in the reserves of the Rajahmundry range. In *Kistna*, gum, honey and nux vomica are collected departmentally. In *Bellary*, the chief products that contributed to the revenue under this head were tope fruits, babul pods, tangedu bark and tree owners' fees from date trees tapped. Stone, red earth and thatch grass were removed on permits. Minor produce was collected departmentally in Sandur range including *Terminalia Chebula*, gum, tamarind, sikkoi, marking nut, lichen and honey. Thirty-one cart loads of thatch grass were supplied to the Bellary municipality for plague sheds. In *Kurnool*, the revenue under this head was Rs. 31,707, the fruit crop realizing Rs. 5,628 against Rs. 895 in the previous year. In *Anantapur*, stone, earth, thatching grass and manure leaves were removed on permit.

Central Circle.—In *Nellore*, the collections under this head being 6,047 maunds showed a further advance this year. Of this amount, 5,641 maunds were sold for Rs. 3,959 and the rest is expected to realize about Rs. 1,000. Royalty on mica decreased from Rs. 19,598 to Rs. 10,431 as many of the important mines were not worked. In *Chingleput*, the collection of gallnuts was made departmentally and manure leaves were removed under permits and realized Rs. 1,717. In *North Arcot*, 83 maunds of divi divi pods were collected departmentally and permits were issued for grazing, manure leaves and grass in all the ranges and for bamboos in the Chandragiri and Palmanér ranges. In *South Arcot*, manure leaves were disposed of by issue of departmental permits, the collection being confined to those of shrubs, climbers, etc., which were required to be cut flush with the ground. The price per cart load was

fixed at As. 5. Stone, gravel and limestone were worked to a small extent under permits issued under special arrangements in each case. In *North Salem*, a sum of Rs. 14,917 was realized under this head, of which Rs. 827 were derived from the sale of custard apples in Tiruppattúr range. The demand for tanning barks and gallnuts was very dull, probably owing to the introduction of the chrome process of curing and tanning skins. In *Trichinopoly*, divi divi pods were sold to a contractor at Madras. The usufruct of trees in reserved forests and unreserved lands was disposed of by auction sales. In *Tanjore*, manure leaf contributed to the major portion of revenue and to extend its growth and to increase the present inadequate supply, suitable sites were selected in certain reserves for sowing seeds of manure leaf yielding plants. Other miscellaneous forest produce was sold to contractors under petty leases.

Southern Circle.—In *South Canara*, 18 tons and 1,800 lbs. of catechu manufactured departmentally at a cost of Rs. 172 per ton were sold at Rs. 801 per ton for Rs. 13,953. Of this quantity 3 tons were supplied to the Government Harness and Saddlery Factory, Cawnpore, and 15 tons sold as usual for consumption in the Mysore State. 24 maunds (of 25 lbs.) of cardamoms were collected and transported at a cost of Rs. 215 and sold for Rs. 258. As this item is worked at a loss if the pay of the guards and watchers supervising the collection is taken into account, it is intended to lease out the areas on contract, provided reasonable offers are forthcoming. All other minor produce except spotted canes and horns was exploited by consumers or purchasers. In *North Malabar*, the produce was collected departmentally except honey, and wax in certain reserves which were leased out to contractors. In the *Nilgiris*, the minor produce was collected departmentally and stored in the various forest depots. Metal, gravel, etc., were removed on permits. In *North Coimbatore*, the bulk of the produce was collected departmentally. Avaram bark, vembadam (ventilago) bark, tamarind, margosa, *Pongamia* and nux-vomica seeds and palmyra and date leaves were leased out. In *South Coimbatore*, minor forest produce was collected on the lump sum contract system in three ranges and departmentally by means of hill tribes in two ranges. In *Madura*, avaram bark was excluded from lease and manure leaves and stones were allowed to be removed on permits. The lease for cardamom referred to in the last year's report continued. In *Tinnevelly*, permits were issued for the removal of Ethacally (*Ochalandra Rheedii*), rattan and stone from one or two places.

(2) *Extraction of Fodder.*

28. *Northern Circle.*—In *Gódávari*, the pasture lands of certain taluks were leased out and the fodder grass from Coringa reserve was sold. In *Kurnool*, Rs. 462 was collected by removal of grass against Rs. 48 in the previous year. Of this, Rs. 409 was derived from grass removed from the Railway Working Circles. The revenue under this head in *Bellary* amounted to Rs. 1,132 or Rs. 593 less than that of the previous year. The decrease was due to strict measures adopted in the Sandúr State to prevent the entry on account of plague. The amount realized in *Anantapur* decreased from Rs. 751 of previous year to Rs. 75 on account of free removal of grass.

Central Circle.—In *North Arcot*, the grass in the plantations was leased out. In *South Arcot*, it is again recorded that no demand arose for grass to be cut on permit. In *North Salem*, Rs. 23 were collected under this head. The concession granted to remove grass free from reserves was not availed of by the ryots. In *South Salem*, Rs. 163 were realized by the sale of grass for thatching purposes. Grass was allowed to be cut from specially protected blocks and coupes at 3 pies per head load. In *Trichinopoly*, removal of grass was allowed on permits where the right to collect it was not sold by auction.

Southern Circle.—In *South Canara*, the right to collect thatch grass which is also to a small extent used as fodder was sold for Rs. 472 against Rs. 484 in the previous year. In *South Malabar*, the right of cutting and removing grass was leased out as the proposal to carry out hay-making operations had to be abandoned. In the *Nilgiris* and *Madura*, grass was allowed to be removed on permits.

(3) *Hay-making.*

29. In *Ganjám*, grass was not exploited for supply to the Bengal Paper Mills as the rates offered did not leave any margin of profit. In *Kistna*, two lever and block presses

were bought for Rs. 908-8-0, but only one could be used. One hundred and fifty tons of grass were cut, from which there was an outturn of 91 tons of hay. This was sent to the Bezwada depot where only a small quantity was sold at Rs. 20 per ton. The cost incurred has come to Rs. 18-12-8 per ton, besides a capital outlay of Rs. 547 expended on the purchase of one press, scales, weights, etc., and construction of a temporary shed and three platforms, and on other contingencies. In *Anantapur*, $7\frac{1}{4}$ tons of grass were cut, dried and stacked in the head-quarters bungalow compound at a cost of Rs. 42, but neither this nor 29 tons on hand at the commencement of the year was sold. In *Cuddapah*, out of $8\frac{3}{4}$ tons of hay collected in the previous year, only $7\frac{1}{2}$ cwts. were sold for Rs. 2-1-9. In *North Arcot*, hay-making operations were abandoned on account of heavy rains and most of the 5,000 lbs. of grass collected for the purpose were spoiled. A small quantity of hay made in Tirukkóyilúr range, *South Arcot*, became useless as the grass was cut too late. The $1\frac{1}{2}$ tons of hay that remained unsold last year in *North Salem* were sold for Rs. 21, and there being no market, no more hay was collected. In *South Salem*, 16 tons and 128 lbs. of hay were collected at a cost of Rs. 76 and there remained a balance, 34 tons and 1,792 lbs., from the previous year (thus making up a total of 50 tons and 1,920 lbs.). Of this, 8 tons 1,176 lbs. were burnt, the cost for which was since recovered from the subordinates in charge; 3 tons 950 lbs. were used departmentally and 11 tons 2,126 lbs. sold in public auction and fetched Rs. 18-8-6. Practically there was no demand and special attempts made to dispose of the balance proved a failure. In *North Coimbatore*, 25 tons of hay were collected at a cost of Rs. 116 but not being properly dried it was spoiled by fermentation. In *South Coimbatore*, arrangements were made to manufacture 30 tons of hay in Méttupálaiyam range and 25 tons in Pollachi range for supply to Government cattle. In the former range only a little over 2 tons was made and the work had to be stopped as it was begun too late and in the latter the range officer was able to make only about 2 tons.

(4) *Grazing.*

30. The following statement compares the revenue derived from grazing and grass removals during the year with that of the previous year:—

Circle.	1902-1903.	1903-1904.	Difference.
	Rs.	Rs.	Rs.
Northern Circle	2,29,062	2,27,781	— 1,281
Central „	2,51,331	2,64,872	+ 13,541
Southern „	98,107	1,14,747	+ 16,640
Total ..	5,78,500	6,07,400	+ 28,900

The increase in the Central Circle arose chiefly in *Nellore*, *South Arcot* and *North Salem*, while that in the Southern Circle in *North Coimbatore*, *Madura*. and *Tinnevelly*. The introduction of the Kancha system in *Nellore*, the favourable season in *South Arcot* which induced ryots to obtain permits for more buffaloes and cows as also the closer supervision over the subordinate staff, and in *North Salem*, the issue of licenses to a larger number of cows and goats, accounted for the increase in those districts. In *North Coimbatore*, careful check of cattle pens; in *Madura*, the taking of permits for a larger number of animals, and in *Tinnevelly*, greater activity on the part of the subordinate staff in checking illicit grazing, etc., were the causes for increased revenue.

(*b*) Agency of Exploitation.

(i) *Departmental Agency.*

31. Forms Nos. 55 and 56 show separately the different classes of produce collected and Form No. 57 indicates the stock disposed of and the balance on hand at the close of the year. The exploitation by departmental agency was necessary for conducting improvement fellings as prescribed in the working plans, for demarcation and fire-line clearings and for the supply of fuel, etc. to railways, to sale depots established in several important towns for the convenience of the public, and to Government jails and other public departments. The total quantity of timber and fuel, the number of bamboos and the value of the minor produce extracted departmentally were respectively 36·75, 1·38 and 4·68 per cent. of their respective total outturn through all agencies and the total value of the disposals of the year was Rs. 6,36,421.

Transport was chiefly effected by country carts, ponies, coolies, drag bullocks and buffaloes, donkeys, railways and boats. In *Nellore*, the wood felled in Śrîharikóta was carried by tram to the canal boats. In *South Canara* and *South Malabar*, the timber felled was dragged by elephants to the river bank or to the carting places. At Mount Stuart in *South Coimbatore* timber was sent down by wire ropeway.

Timber.—The quantity of timber exploited was 320,194 cubic feet or 122,306 cubic feet less than in the previous year the decrease occurring chiefly in *Ganjám*, *Bellary*, *North* and *South Malabar*. In *Ganjám*, sâl coppice coupes were sold standing to contractors instead of being felled departmentally and only a small quantity of this timber was exploited from the unreserved lands of Pondakhol, while in *Bellary*, the coupes prescribed in the working plans for the year were not worked. Less timber was yielded by the fire-line clearings in *North Malabar* and the small area of the improvement fellings in *South Malabar* also contributed towards the fall in the quantity of timber felled.

Fuel.—The amount of fuel removed departmentally was 6,180,438 cubic feet or 760,669 cubic feet less than in the previous year. Less fuel was taken by railways from *Kurnool*, *North* and *South Salem* and the *Nilgiris* and the introduction of the modified permit system in *Madura* also accounts for some of the decrease.

Bamboos.—The number of bamboos extracted departmentally was 513,189 or 192,903 more than in the previous year. The increased collection arose from improved demand for the coupes in the Mohiri hills, *Ganjám ; from* the supply of bamboos for the people of Vániyambádi who lost their houses by the floods of 1903 in *North Salem*; and from the felling of bamboos for the floating of timber to Hampapur depot, *North Malabar*.

Minor Produce.—The produce collected was 104,763 maunds (of 25 lbs.) or 61,384 maunds more than in the previous year. The increase was due to hay-making in *Kistna* and *Bellary* as well as to the departmental collection in the leased forests of *Bellary* and to the larger collections especially of gallnuts in *North Coimbatore*.

(ii) *By Purchasers.*

32. The pre-payment system introduced last year did not work satisfactorily in *Kistna* and *North Coimbatore*. In the former district it was, however, proposed to make a trial for another year and in the latter the old system was reverted to, as it was found impossible to secure permit-issuing officers who could afford to purchase sufficiently large stock of permits for issue. In the districts of *North Arcot*, *North* and *South Salem* and *Trichinopoly*, this system is reported to have worked satisfactorily. Since the remaining districts do not complain about it, it is therefore believed to be working fairly. As a rule, 70 to 75 per cent. of the permits issued were checked at the recovering stations.

The total value of sales was Rs. 8,00,391 from major produce including bamboos and Rs. 11,56,409 from minor produce showing an increase of Rs. 41,022 in the former and Rs. 1,02,409 in the latter over the previous year's figures. This arose from the extensive removal of timber in *Cuddapah* for building houses damaged by floods, and is also due to better prices realized at the casuarina sales in *Nellore*, to the value of trees on a larger area of lands taken on darkhast in *South Arcot* owing to favourable season, and to excess fuel removed by purchasers in *Madura*. The increase in minor produce arose chiefly in *Kistna*, *North* and *South Arcot*, *South Canara* and *North Coimbatore*. In *Kistna*, the sale amount of barks for 1904–1905 was included in this year's accounts. In *North Arcot*, larger amounts were realized in respect of contracts and the sale amounts for barks for three years commencing from 1903–1904 were included in this year's accounts. In *South Arcot*, more permits were taken for grazing and for removal of gravel. In *South Canara*, good prices were realized from sales and certain sums due for 1904–1905 were collected and credited in this year's accounts. In *North Coimbatore*, the increase is attributed to careful check of cattle pens and to the leasing of avaram (*Cassia auriculata*) and vembadam (*Ventilago Madraspatana*) barks in certain taluks where there was no demand previously.

The sales of confiscated produce are recorded in Form No. 72-B and show an increase of Rs. 3,596 in the amount realized over the previous year, chiefly because more timber was recovered in *South Malabar* and *Tinnevelly* and in the latter more fuel also.

(iii) *Rights and Privileges.*

33. The following abstract statement shows the estimated quantity and value of produce removed under this head:—

	Timber.		Fuel.		Bamboos.		Minor produce.	Grazing.	Total value.
	Cubic feet.	Value.	Cubic feet.	Value.	Number.	Value.	Value.	Value.	
		Rs.		Rs.		Rs.	Rs.	Rs.	Rs.
Northern Circle	1,311	94	257,510	4,825	20,489	128	38,950	1,020	45,017
Central ,, ...	..	..	..	..	..	..	..	356	356
Southern ,, ...	76,010	29,961	621	34	9,423	71	2,348	831	33,245
Total ..	77,321	30,055	258,131	4,859	29,912	199	41,298	2,207	78,618

The value of produce removed under rights and privileges is estimated at Rs. 78,618 against Rs. 47,253 in 1902-1903. The increase arose from including the value of the produce removed by Kumaki holders in *South Canara*, whereas it was hitherto omitted.

(iv) *Free grants.*

34. The following abstract statement shows the quantity and value of produce removed by free grantees:—

	Timber.		Fuel.		Bamboos.		Minor produce.	Grazing	Total value.
	Cubic feet.	Value.	Cubic feet.	Value.	Number.	Value.	Value.	Value.	
		Rs.		Rs.		Rs.	Rs.	Rs.	Rs.
Northern Circle	34,020	3,868	3,871	65	56,950	397	265	1,089	5,684
Central ,, ...	31,364	4,684	400	25	172,825	474	623	3,855	9,661
Southern ,, ...	2,295	338	4,530	284	3,585	32	54	..	708
Total ..	67,679	8,890	8,801	374	233,360	903	942	4,944	16,053

The estimated total value of the free grants was Rs. 16,053 against Rs. 7,724 of the previous year. No grants were made in *Tanjore* and *North Malabar*. In other districts the grants were made chiefly for poor ryots for rebuilding houses and huts destroyed by fire and floods, specially in *Kistna*, *Cuddapah*, *North* and *South Arcot* where many houses were ruined by floods. Besides these, people of Madanapalle, Vayalpad and Kadiri taluks were allowed to cut and remove timber free for constructing temporary sheds to live outside the town on account of outbreak of plague. In *North Salem*, large quantities of timber and bamboos were collected and stored at the Vániyambádi depot for free supply to the people who lost their houses during floods but as the applications for house sites in the new locality were not finally settled, distribution of this produce was not made. The cost of felling and transporting this free supply came from the Forest Budget's allotment.

(*c*) Outturn and Sources of Forest Produce.

35. The following abstract shows the total outturn of timber and other produce collected during this and the previous year from reserved forests and from reserved and unreserved lands.

(*Forms Nos.* 55, 56, *and* 72 *b.*)

Agency of exploitation.	Timber in cubic feet including sandalwood.		Fuel in cubic feet.		Bamboos in numbers.		Minor produce (inclusive of grass and grazing) (gross value in rupees).	
	1902-1903.	1903-1904.	1902-1903.	1903-1904.	1902-1903.	1903-1904.	1902-1903.	1903-1904.
1	2	3	4	5	6	7	8	9
By Government Agency ..	442,500	320,194	6,941,107	6,180,438	320,286	513,189	44,903	59,292
By purchasers (including confiscations)	2,798,764	2,516,686	11,454,242	10,975,371	35,367,808	36,249,093	10,55,502	11,57,981
By right-holders	1,991	77,321	257,899	258,131	22,014	29,912	42,119	43,505
By free grantees	54,303	67,679	7,750	8,801	134,620	233,360	1,731	5,886
Total ..	3,297,558	2,981,880	18,660,998	17,422,741	35,844,728	37,025,554	11,44,255	12,66,664

The results show decrease under timber and fuel and increase under bamboos and minor produce. The variations have already been explained under the above sub-sections.

The rates of grazing fees levied in the several districts are shown in Form No. 53. The number of animals licensed to grazing on payment was 3,320,495.

CHAPTER III.—FINANCIAL RESULTS.

36. The financial results for the Presidency compared with those of the previous year and with the average of the five years preceding show a net increase of Rs. 1,31,922 and Rs. 2,72,747, respectively.

	Years.					Average per year.	1902-1903.	1903-1904.
	1897-98.	1898-99.	1899-1900.	1900-1901.	1901-1902.			
Revenue.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
Northern Circle	5,99,670	6,14,046	7,13,954	7,79,146	8,86,581	7,18,679	8,64,915	8,94,216
Central ,, ...	8,88,834	8,73,772	9,63,093	9,34,847	10,22,586	9,36,626	10,17,632	10,01,313
Southern ,, ...	6,62,610	5,87,436	6,36,460	7,29,780	5,87,327	6,40,723	7,10,232	7,95,042
Total ..	21,51,114	20,75,254	23,13,507	24,43,773	24,96,494	22,96,028	25,92,779	26,90,571
Expenditure "A. Conservancy and Works".								
Northern Circle	2,06,027	1,98,750	2,29,397	2,13,108	2,31,660	2,15,788	2,55,084	2,91,822
Central ,, ...	2,78,206	2,43,912	2,85,449	2,76,620	3,20,428	2,81,923	2,92,415	2,56,418
Southern ,, ...	2,84,977	3,20,139	3,17,555	3,86,322	3,35,137	3,28,826	4,24,886	3,89,481
Total ..	7,69,210	7,67,801	8,32,401	8,76,050	8,87,225	8,26,537	9,72,385	9,37,721
Expenditure "B. Establishments".								
Northern Circle	2,61,999	2,59,525	2,65,661	2,57,146	2,58,497	2,60,565	2,56,801	2,80,763
Central ,, ...	2,78,281	2,81,023	2,94,553	3,14,479	3,10,844	2,95,836	3,10,342	2,94,846
Southern ,, ...	2,78,999	2,83,800	2,95,581	2,90,515	2,89,555	2,87,690	2,84,027	2,79,095
Total ..	8,19,279	8,24,348	8,55,795	8,62,140	8,58,896	8,44,091	8,54,170	8,54,704
Total of A. and B.								
Northern Circle	4,68,026	4,58,275	4,95,058	4,70,254	4,90,157	4,76,354	5,14,885	5,72,585
Central ,, ...	5,56,487	5,29,935	5,80,002	5,91,099	6,31,272	5,77,759	6,02,757	5,51,264
Southern ,, ...	5,63,976	6,03,939	6,13,136	6,76,837	6,24,692	6,16,516	7,08,913	6,68,576
Total ..	15,88,489	15,92,149	16,88,196	17,38,190	17,46,121	16,70,629	18,26,555	17,92,425
Net results.								
Northern Circle	+ 1,31,644	+ 1,55,771	+ 2,18,896	+ 3,08,892	+ 3,96,424	+ 2,42,325	+ 3,50,030	+ 3,21,631
Central ,, ...	+ 3,32,347	+ 3,43,837	+ 3,83,091	+ 3,43,748	+ 3,91,314	+ 3,58,867	+ 4,14,875	+ 4,50,049
Southern ,, ...	+ 98,634	— 16,503	+ 23,324	+ 52,943	— 37,365	+ 24,207	+ 1,319	+ 1,26,466
Total ..	+ 5,62,625	+ 4,83,105	+ 6,25,311	+ 7,05,583	+ 7,50,373	+ 6,25,399	+ 7,66,224	+ 8,98,146

The gross receipts were Rs. 97,792 more than in the previous year and the total expenditure less by Rs. 34,130. The net results show an increase in each Circle. The total receipts for the year rose by 3·77 per cent. and the total charges decreased by 1·87 per cent. to Rs. 17,92,425. There was a net surplus of Rs. 8,98,146 which is Rs. 1,31,922 in excess of that of the previous year. Of the expenditure about 44 per cent. was devoted to the upkeep and improvement of forests and 56 per cent. to exploitation, etc. Departmental exploitation yielded a profit of 23 per cent. The outstandings due at the beginning of the year amounted to Rs. 1,81,058 and the value of the sales, etc., during the year to Rs. 26,92,740. Out of this total of Rs. 28,73,798, Rs. 26,90,571 were collected and Rs. 920 written off leaving an outstanding amount of Rs. 1,82,307 at the close of the year.

The variations under the several budget heads of revenue and expenditure during the past two years are explained below:—

Receipts.

(i) *By Departmental Agency.*

Timber—Rs. 6,020.—The deficit is mainly due (1) to absence of demand for redwood roots and stumps in Cuddapah, (2) to the smaller sales of timber in North

Malabar, where the fellings were restricted to trees standing on the new fire lines and (3) to a smaller number of saplings transported to Beypore in South Malabar which were sold at lower prices.

These deficits were partly counterbalanced by increase in South Coimbatore on account of (1) the receipt of an advance from the Public Works Department for the supply of sawn timber required for the new District Court building, (2) the opening of an additional sale depot and (3) larger sales of timber.

Fuel—Rs. 37,022.—The deficit was accounted for by the discontinuance of supply of railway fuel in North and South Salem.

Bamboos + *Rs.* 995.—Improved demand for bamboos from the coupes in the Mohiri hills of Ganjám accounts for increase under this head.

Sandalwood + *Rs.* 15,917.—The increase was due to sale of two years' stock of sandalwood from Bhavání Range, North Coimbatore, in the European and local markets.

Minor produce + *Rs.* 2,513.—Due mainly to adjustment during the year in North Coimbatore of the sale-proceeds of gall-nuts collected in the previous year.

(ii) *By Purchasers.*

Timber — *Rs.* 24,383.—Due chiefly to the introduction of the scheme of opening coupes to ensure located fellings in Kistna and to the removal during the year in South Malabar of a smaller quantity of dead and wind-blown trees.

Fuel + *Rs.* 45,190.—Due to sale during the year in Trichinopoly of certain firewood coupes which had been left unworked in 1902–1903 in addition to those prescribed for the year, to higher prices realized for firewood coupes sold by auction in Tinnevelly and in Madura, to the sale of a larger number of firewood coupes and trees on tank-beds:

Bamboos + *Rs.* 6,156.—Due chiefly to more favourable prices realized in North Arcot.

Grazing and Fodder grass + *Rs.* 28,900.—The reasons for the increase are explained in paragraph 30.

Other produce + *Rs.* 57,091.—This increase arose from (1) better prices secured for tangedu bark and tree fruit in Cuddapah, (2) better arrangements made for the removal of manure leaves from reserved forests in Trichinopoly, (3) increased receipts from tree owners' fees chiefly in Kurnool, Cuddapah, North Arcot and South Canara, and (4) better prices realized at sales of minor produce owing to competition in Tinnevelly.

(iii) *Miscellaneous (including Confiscated drift and waif wood).*

Revenue + *Rs.* 8,455.—Due mainly to increased compounding fees levied on the larger number of offences detected in Madura and credited to head V and to the value realized by sale of elephants in North and South Malabar.

EXPENDITURE.

A. Conservancy and Works.

The expenditure is less by Rs. 34,664 than in the previous year due chiefly to (1) cessation of supply of fuel to the Madras Railway in North and South Salem partly counterbalanced by increased expenditure in Trichinopoly and Madura owing to the opening of fuel depots in the former district and to the supply to the South Indian Railway from both the districts of a larger quantity of fuel than was anticipated, (2) to non-purchase of elephants in the Southern Circle, (3) to the absence of further large outlay on the construction of a ghat road in North Coimbatore and (4) to smaller outlay under VIII (*b*) Land acquisition.

B. Establishments.

The cost of the establishment increased by only Rs. 534.

Revenue.—Kurnool heads the list by contributing 10 per cent. of the net surplus for the whole Presidency, Gódávari, Kistna and South Arcot standing next with 9, 8 and 8 per cent., respectively, followed by Madura, Cuddapah and Trichinopoly, each about 7 per cent.

CHAPTER IV.—ADMINISTRATION.

Conduct of Establishments.

37. (i) *Executive Staff—Northern Circle.*—In *Gódávari* one Ranger forfeited his appointment for overstaying joining time. In *Kistna*, three Rangers were reduced to the class of Deputy Ranger, one of them for a period of a year; and a second was further suspended for a week for absence after the period of reduction. In *Kurnool*, the work of some of the Rangers in the Nallamalais was very unsatisfactory and the Collector thinks that the continued thefts on these hills are being connived at by them. One Ranger was suspended for collecting money from his subordinates and for remitting the same to the head clerk of the District Forest Office for the marriage of the latter's daughter. The head clerk was dismissed the service, the charge of collecting the money from the Range Officer having been proved. In *Bellary*, one Deputy Ranger was suspended for disobedience and the services of another were dispensed with for the same reason. There was a slight improvement in the conduct of the executive staff in Anantapur.

Central Circle.—In *Nellore* one acting Ranger was suspended on charges of misappropriation of forest produce and a Deputy Ranger was suspended for misconduct. One Deputy Ranger in *Chingleput* was dimissed from service for several gross irregularities committed by him. The conduct of the executive staff in *Cuddapah* and *North Salem* was, with a few exceptions, satisfactory, while in *South Arcot* it continued to be unsatisfactory. One acting Ranger in *Trichinopoly* was removed from service, for giving false evidence in a magisterial enquiry to screen the malpractices of his subordinates.

Southern Circle.—In *South Canara*, some of the Rangers were punished severely for delinquency. One Ranger whose work was never satisfactory and who was found incompetent to hold charge of a range resigned his appointment. In *South Malabar*, one Deputy Ranger was dismissed for conniving at large illicit fellings. In *North Coimbatore*, one Ranger was suspended and a Deputy Ranger dismissed and another was reduced a grade for suspicious conduct and transferred to *North Malabar*. In *Madura*, two Rangers were deprived of their acting promotion for unsatisfactory work and transferred to other districts. The conduct of the executive staff in the *Nilgiris* and *Tinnevelly* was reported to be satisfactory.

38. (ii) *Protective Staff.*—The conduct of the protective staff in the three circles was as usual very unsatisfactory and showed little improvement. There was the usual number of suspensions, reductions, dismissals and criminal convictions among Foresters, guards, and other lower subordinates for various irregularities including neglect of duty, extortion, corruption, misappropriation, etc. One probationary Forester in *North Coimbatore* was prosecuted and convicted for misappropriating Government money.

39. (iii) The conduct of the ministerial establishment continued on the whole to be satisfactory.—The conduct of the head clerk of the District Forest Office, *Kurnool*, has already been noticed above.

40. *Health of the establishment.*—The health of the establishment was fair in all the districts except *Vizagapatam*, *Gódávari*, *Kurnool* and *Anantapur*, and indifferent in *South Malabar*, *North* and *South Coimbatore*, *North* and *South Salem*. In *Gódávari*, the sub-division was the unhealthiest part. In *Anantapur*, it was worse than usual owing to abnormal rainfall. The Pachamalais in *Trichinopoly*, the Javadis in *North Arcot*, the Tenmalais in *South Arcot*, the Sríharikóta and parts of the coast range in *Nellore*, the ghát tracts in *South Canara*, the Mudumalais and Sígúr Ranges in the *Nilgiris* and the *North Malabar* district continued as usual to be unhealthy and there were also a few casualties in some of these tracts.

41. *Relations between Revenue and Forest officials.*—There was no friction between the Revenue and Forest officials which came to notice. The instructions of the Board in the matter of the conference of these officers during jamabandi were attended to in all the districts except *Gódávari*, *Bellary*, *Tanjore*, *North* and *South Coimbatore* and *South Malabar*. In *Gódávari*, one of the Divisional Officers whom the District Forest Officer had arranged to meet having altered his programme at the last moment no meeting was possible. In *Bellary*, no arrangement was made to meet the Jamabandi

officers and the Collector has reported that the attention of the officers concerned will be drawn to the omission. In *South Coimbatore* the District Forest Officer being engaged otherwise at the time could not confer with the Jamabandi officers. In *Tanjore*, *North Salem*, *North Coimbatore* and *South Malabar* there was no necessity for a conference. In *Nellore* the extension of goat browsing to the taluks of Atmakúru and Udayagiri was urged and the Collector's proposals in the matter are being considered. In *South Salem* a complaint regarding want of land for extension of cultivation was made, but the grievance was however found to be unreal. No question of special importance cropped up in other districts.

42. *Service books.*—These are reported to have been maintained and verified in all the districts except in *South Arcot* where some books remained to be verified at the close of the year.

43. *Tours of the Forest Member.*—Mr. H. A. Sim, C.I.E., was Forest Member of the Board up to 31st March 1904 and the Hon'ble Mr. C. J. Weir during the remaining portion of the year. The former visited the districts of Anantapur, the Nilgiris and Kurnool and the latter Madura and the Nilgiris.

44. *Conservators' inspections.*—The Conservators of Forests visited all the districts and inspected all the District Forest Offices in their respective circles except the District Forest Office, Vizagapatam.

45. *Touring of District Forest Officers.*—More than six months were spent in camp by all the District Forest Officers except those of *South Arcot*, *North Salem* and *North Coimbatore*. The touring of the District Forest Officer, *South Arcot*, fell short by only a few days. The short touring by the District Forest Officer, *North Salem*, was due to his being engaged in forest settlement and working-plans work, while that by the District Forest Officer, *North Coimbatore*, to his having held charge of the division in addition to the Working-plans office.

46. *Inspection of Range offices by District Forest Officers.*—The Range offices in all the districts except *Vizagapatam*, *Kurnool*, *Cuddapah*, *Nellore*, *North Arcot*, *Malabar*, *Nilgiris* and *North* and *South Coimbatore* were inspected twice. In the districts excepted some Range offices were inspected only once.

47 *Audit of accounts of the District Forest Offices.*—The accounts of all the District Forest Offices except *Ganjám*, *Vizagapatam*, *Cuddapah*, *Chingleput*, *South Arcot*, *Trichinopoly*, *Nilgiris* and *North* and *South Coimbatore* were, as usual, audited by the Local Fund inspecting staff of the Accountant-General's office, and the results are reported to be satisfactory. The accounts of *Trichinopoly* were audited after the close of the year.

48. *Forest School.*—One Deputy Ranger from each of the Circles, three stipendiary students from the *Central Circle* and one student from the *Northern Circle* were sent to the school. From it came one Deputy Ranger to the *Northern Circle*, one Ranger and three Deputy Rangers to *Central Circle* and one Ranger to the *Southern Circle*, all with Rangers' certificate. The question of establishing schools locally for the training of Forest guards and Foresters was fully gone into by the Board and preliminary proposals submitted to Government for approval.

49. *Work and services of Superior officers—Northern Circle.*—Mr. A. W. Lushington, the Acting Conservator of Forests, *Northern Circle*, writes as follows:—

"Mr. Wood in *Kurnool* has had a vast amount of work in an enormous new district and deserves the greatest credit for everything he has undertaken: the railway contract has been most satisfactorily pushed through, and this was the most important work of the year.

"Mr. Aitchison in *Vizagapatam* has worked most energetically and his tactful management of the hillmen was the cause of complete success in the protection of the hills from fire.

"Mr. Barlow Poole in *Anantapur* has had a great deal of trouble with faulty demarcation which he has been rectifying, and in preparing working plans for four out of five of the ranges in his division for which he deserves commendations.

"It is to be regretted that in *Bellary* forest administration has been by no means successful, the small railway fuel contract proved an utter failure, the felling, stacking, carting were all badly done, the fuel returns were allowed to get into a terrible state, and large quantities have had to be written off stock, the demarcation was found to be very faulty, and protection was exceedingly bad, and the live-stock was maintained in a very bad condition.

"The other officers have all worked well."

Central Circle.—The following is an extract from the Collector's remarks in district reports with the opinion of the Conservator Mr. E. D. M. Hooper:—

Cuddapah.—The Collector reports: "Mr. C. M. Hodgson who has been in charge for the latter portion of the year, seems an able and efficient officer and has rapidly made himself acquainted with the local conditions" and the Conservator in endorsing the remarks considers him a great acquisition to the Madras staff.

Nellore.—The Collector says of Mr. Murray: "I consider the results highly creditable to the District Forest Officer."

Chingleput.—The Collector says: "I have had no reason to alter the good opinion I have expressed of Mr. Woutersz' work in previous years. I think he has done his best with the means at his disposal" and the Conservator again expresses an unfavorable opinion of the officer's work.

North Arcot.—The Conservator remarks as follows: "The district charge was held by Mr. J. S. Battie for most of the period under report and he upheld his reputation as a practical administrator."

South Arcot.—The Collector says: "I have nothing to add to what I wrote under this head a year ago, viz., Mr. Peake continues to show himself a most zealous and painstaking officer." The Conservator considers that this officer's administration would be more successful if he would avoid overwhelming himself with office work.

North Salem.—The Collector says: "Mr. Rama Rao takes considerable interest in his work and has performed his duties most satisfactorily during the year." The Conservator recognises the good work done.

South Salem.—The Collector says: "Mr. Lodge worked as usual indefatigably during his tenure of office. Mr. Bapu Rao being new to so important a forest charge probably did his best, but he is hardly equal to the work." The Conservator adds Mr. Lodge held the Northern Circle Conservatorship during three months and then took leave. Mr. Bapu Rao has done better since he learnt the district work.

Trichinopoly.—The Collector writes: "My predecessor Mr. Bedford has recorded the following remarks in the District Forest Officer's diary for the week ending 14th May 1904.

"I take this opportunity of testifying to the tact and energy displayed by Mr. Nallaswami Naidu in his forest administration and the eminently successful financial results of his work. I have seldom met with a District Forest Officer who managed to keep so clear of friction with officers of other departments".

"From what I have seen of the District Forest Officers work during the short time I have been in Trichinopoly, I endorse the above remarks. Under his careful supervision forest revenue is annually increasing. In consideration of the good work done by him he has received this year the title of Rao Sahib."

The Conservator considers Mr. Nallaswami Naidu has worked very well indeed and controlled his charge admirably.

An Extra Assistant Conservator Mr. S. C. Moss died of cholera and another Mr. H. Ward died of chronic dysentery shortly after taking his pension.

Southern Circle.—Mr. C. E. Brasier, the Conservator of Forests, writes as follows:—

Mr. H. A. Latham held charge of South Canara district during the year and worked zealously and well as usual. He is however poorly seconded in this respect by his subordinate officers to whom he may be a little too kind.

Mr. H. Tireman held charge of the two divisions of North and South Malabar and considering the rather too heavy duties thrown on him in this connection did good and satisfactory work on the whole.

Mr. G. Hadfield in the Nilgiris did good work as usual. His health however prevented him from visiting the more feverish portions of his charge, viz., the Mudumalai and Sigúr ranges.

Mr. P. M. Lushington in North Coimbatore performed his duties with his usual ability. The net forest revenue of the district showed a large increase, amounting to Rs. 35,850, which speaks creditably for his administration.

Mr. A. B. Jackson was in South Coimbatore for over six months and in the Nilgiri division for about five months. The performance of his duties in the former district was somewhat interfered with through illness, otherwise his work was satisfactory.

Mr. C. D. P. Thornton while in South Coimbatore for about 3⅔ months conducted his work with the energy and zeal characteristic of him.

Mr. H. B. Bryant held charge of the Madura district, which is owing to his efficient management one of the most progressive forest charges of the circle.

Mr. R. D. Richmond's work in Tinnevelly is spoken of very highly by the Collector and I fully endorse his views.

The Collector says "I desire to place on record my cordial appreciation of Mr. Richmond's "work during the year. He knows thoroughly what he is about, and has the zeal and energy to "supervise closely both office and out-door work. He has been, in the truest sense of the word, "my Assistant."

Mr. S. Cox was on special duty for three months in connection with capturing elephants and performed his duties with his usual energy and intelligence. He was also in North Coimbatore. He is an exceptionally capable officer.

CHAPTER V.—GENERAL.

50. *Realization of revenue from the usufruct of toddy yielding trees on Government wastes and poramboke lands.*—The revenue under this head continued small in *Ganjám*, *Vizagapatam*, *Trichinopoly*, *North Coimbatore* and *Madura*. In *Gódávari*, the revenue fell by about Rs. 1,900; while in *Kistna* and *Kurnool*, it increased by Rs. 327 and Rs. 2,093, respectively. The fixed fee system remained in force in *Bellary*, *North Arcot* and *Anantapur* an increase occurring in the revenue of the former districts and a slight decrease in the last. In *Cuddapah*, there were very few applications to tap trees in reserved forests and the revenue under the head was entirely from trees on unreserved lands. The special rate of one anna per palmyra and date tree continued to be charged in *Nellore*, but the collections showed a slight decrease. In *South Arcot*, the usufruct of toddy yielding trees was included in the minor forest produce leases with the express condition however that the lessees should relinquish their rights over such of the trees as were licensed for tapping either before or subsequent to the lease; for the trees so licensed a sum of Rs. 2,104 was realized as tree owner's fees. In *Tinnevelly*, the auction system secured better prices and the revenue increased. In both the divisions of *Salem* the usufruct of the trees not taken up under the fixed fee system was leased out without prejudice to the enjoyment, by the villagers, of the privileges under rule 7 of the rules under section 26 of the Forest Act. In *South Coimbatore*, date is not usually tapped for toddy.

51. *Measures adopted to encourage the growth of manure leaf yielding trees and shrubs.*—With reference to the remarks of Government in their review of the Forest Administration Report for 1901–1902, the question of increasing the supply of green manure at cheap rates was fully considered by the Board during the year and a special report on the subject submitted to Government. In the *Northern Circle*, no steps were taken in this direction except in *Kistna* as an adequate supply of leaves is obtained outside the reserves in the districts where the people are in the habit of using leaf manure. In *Kistna*, though the present demand for Kanuga (*Pongamia glabra*) is scarcely apparent, the boundaries of reserved forests are being sown up with this species as the conditions may alter when large areas are brought under cultivation under the Kistna project. In the *Central Circle*, no artificial measures were taken to encourage the growth except in *Chingleput* and *North Arcot*. In the latter, seeds were sown in felled coupes and open forests but the result was not successful from excessive rain. As the demand exceeds the supply available, steps were taken to improve and extend the growth under a definite plan. In *North Arcot*, the blanks in the reserved forests were sown with avaram (*Cassia auriculata*) and other indigenous species and every facility afforded to the ryots by reducing the seigniorage rate and permitting them to remove avaram leaves free from unreserved lands. It is reported that the supply in this district is largely in excess of the demand. The use of manure leaves from reserved forests in *Nellore* had been popularized, but the demand was sufficiently met with from unreserved lands. In *Cuddapah* and in both the divisions of *Salem*, the demand was mostly met from reserves and unreserved lands. In *South Salem*, provision has been made in the working plans for the supply. As the demand in the vicinity of the Barur project in *North Salem* is greater than the supply, steps are being taken to utilize the waste lands in the neighbourhood of Barur tank for growing manure leaf yielding species and the matter is reported to be under correspondence. In *South Arcot*, the issue of permits for manure leaves was taken up departmentally during the year to avoid the chances of lessees of minor forest produce demanding higher rates than those which they were bound by their leases to take from the purchasers as also to prevent fraud, but the enforcement of the conditions as to collection prevented people from taking permits freely in certain localities. In leasing the right to collect the barks of *Cassia auriculata* the leaves of which are mostly used for manure, arrangements were made to meet the demand of the ryots. In *Tanjore*, the attempts made in the previous year

to improve the growth of manure leaf yielding species in the swampy portions of the Kodiakadu reserved forest proved a failure. In *Trichinopoly*, indigenous shrubs of several species are of spontaneous growth in the plain forests and as for the hill forests steps were being taken to sow in selected localities seeds of selected species. In the *Southern Circle*, no action is called for in any of the districts except *Madura* and *Tinnevelly*. In the former district fifteen blocks have been selected to be declared as reserved lands and it is proposed to fence some of them and sow seeds broadcast. In the latter district the experimental sowing of *Tephrosia purpurea* in a selected area proved a failure for want of rain. It is, however, proposed to continue the experiment in tank beds.

52. *Rules under the Forest Act.*—The Timber Transit Rules in force in *Ganjám*, *Kistna*, *Kurnool*, *Cuddapah*, *South Canara* and *South Coimbatore* and the Sandalwood Transit Rules in *North and South Salem* and *North Coimbatore* are reported to have worked fairly satisfactorily, and no hardship or complaint against the working was brought to notice. The question of revising the rules for the transit of timber in *Gódávari* and of the extension of all the provisions of the Timber Transit Rules to *South Malabar* where the registration of property marks alone was hitherto enforced, were under consideration. The proposed transit rules for *North Arcot* were still under revision, and transit rules for *Madura* have since been sanctioned.

53. *Rules under section* 26 *of the Forest Act.*—The privileges allowed by these rules were generally availed of by the public, and no complaints or abuses were brought to notice except in *Vizagapatam*, *Nellore* and *South Salem*. In *Vizagapatam* unauthorized collection of fuel on an extensive scale for sugarcane boiling was brought to light. Under cover of the privileges fuel from unreserved lands adjoining Nellore town were brought for sale into the town, and the matter was under investigation by the Collector. In *South Salem* illicit fellings of palmyrah trees in unreserved lands werecarried on on a large scale with the connivance of an influential village munsif who was dismissed the service on this account. Several cases of illicit removal of trees from unreserved lands were detected by the Revenue Inspectors. The clearing of land for cultivation before payment of tree value continued in *Kurnool* during the year. The rules seem not to have been well understood by the people in two taluks in *South Arcot* where the Tahsildars are reported to be granting concessions under rule 7 only on applications being made.

54. *Inventory of valuable stock.*—The stock registers are reported to have been maintained and verified in all the districts. The register in the District Forest office, South Salem, was revised during the year. Form 64 shows the value of the stock in the several districts.

55. *Rain-gauges.*—Readings are reported to have been properly recorded in the districts where the rain-gauges are located, except in *Cuddapah*. The readings in *South Canara* continued to be unreliable while those in *South Salem* and *North Arcot* are reported to have shown some improvement during the year.

56. *Supply of forest produce to meet the wants of the people.*—In *Vizagapatam*, *Bellary*, *Nellore*, *North Arcot*, *North* and *South Salem*, *Trichinopoly*, and *North Coimbatore* the wants of the people were met with by issue of permits from stations located at convenient centres. Depots were also opened in different places to sell firewood, timber, etc., required by the public. In *Kistna* as the yield from located fellings did not meet the agricultural requirements, it was thought best to cut timber departmentally and sell it by auction. The result of this experiment is awaited. In *Kurnool* and *Cuddapah*, agricultural and building materials were manufactured departmentally and offered to the public for sale. In the latter district the usual collection and periodical sale of redwood in Pullampet range were carried out. The complaints made to His Excellency the Governor in the course of his tour in *Anantapur* and *Kurnool* formed the subject of a special enquiry and report as regards Anantapur by the Board's Forest Member, Mr. H. A. Sim and Government have since passed orders thereon. In *Chingleput* coupes in different places were opened for sale of fuel to the public and a depot was also opened for the benefit of the Chingleput town. In *South Arcot* the arrangements made in previous years continued and there were no complaints. A portion of Baindur reserve in *South Canara* was thrown open for collection of dry firewood, manure leaves and grass in head loads free of charge. In *Malabar* the local demand was met from private forests. The sanctioned working

plans in *Madura* provided for the requirements of the public and coupes were also opened in the vicinity of villages. In other districts also it is believed that suitable arrangements were made to meet the wants of the people.

57. *Coffee cultivation in reserved forests.*—In *South Salem* 187 acres in Mallá-puram ghát reserve were granted to a planter for coffee cultivation in exchange for a similar area previously leased out to him in the same reserve. Owing to abnormal fall in the price of coffee, the coffee industry in *South Coimbatore* was depressed. Six out of the twenty estates remained uncleared for cultivation and in two others the areas cleared were less than provided in the lease. The growth on the Anamalai hills being very valuable, the resumption of the uncleared six estates by Government to work them out for supply of timber to Kolar gold mines has been recommended. The revision of the draft lease, which was found defective, was also under consideration.

58. *Suits.*—In *Gódávari* the appeals preferred by the claimants to the portion of Coringa extension against the Forest Settlement Officer's decisions were disposed of in favour of Government. The Collector states that the result was mainly due to the splendid manner Mr. E. A. Smith, Forest Settlement Officer, marshalled the facts of the case in his judgment and the painstaking interest he took in studying the authorities. The appeals in *Trichinopoly* and *South Canara* and the civil suits in *Tinnevelly* referred to in the last year's report remained pending.

59. *Elephants.*—The elephant in *Vizagapatam* had better health than in the past. The old animal in the *Nilgiris* continued to be in bad health suffering from zaharabad. Elephant capturing operations were carried out in *North* and *South Malabar* and *South Coimbatore*, and the number of elephants captured was two in each of the first two districts and three in the last. One animal in the *Nilgiris* gave birth to a female calf, one elephant in *North Malabar* and three in *South Coimbatore* died while 13 were sold. The number of animals in charge of the department at the close of the year was 65 against 74 of the previous year. The services of two first class mahouts were secured from other provinces to serve in *South Coimbatore* and *South Malabar*. The question of giving a trial on a small scale to the keddah system of capturing elephants was considered and a special report was sent to the Government. The Government have since passed orders objecting to the keddah system as being unworkable in this Presidency.

60. *The sawmill at Mount Stuart.*—The total quantity of logs sawn into boards and scantlings was 17,695 cubic feet against 20,394 in the previous year. It was decided not to have teak sawn in the mill except to order to avoid loss.

61. *The wire ropeway at Mount Stuart, South Coimbatore.*—The total number of loads sent down the wire ropeway was 263 of 4,717 cubic feet against 435 of 7,123 cubic feet in the previous year, and there was a loss as compared with the road transport. The rope did not work satisfactorily and there were accidents and derailments which necessitated the transport of most of the sawn material by road.

62. *Mica, etc.*—Out of the 31 mines at work in *Nellore* at the beginning of the year, six were either relinquished or their leases cancelled and five new ones were sanctioned during the year, thus leaving the number of sanctioned mines at 30 at the close of the year. There were three mines in patta lands, of which two were sanctioned during the year. The number of mines that were actually working in Government lands were only 24, the cessation of work in the others being due to the flooding of several and to the neglect of the lessees to work the others satisfactorily. The total quantity of mica consigned from the district was 251,295 lb. against 357,614 lb. in the preceding year and the royalty collected thereon amounted to Rs. 10,105 against Rs. 12,429 in the last year. The short consignment was due to some of the richer mines not being worked by a lessee owing to litigation. No accidents were reported during the year.

The plumbago mines in the Rékapalle hills in *Gódávari* continued to be worked and Rs. 563 were realized as royalty. In *Bellary* a license to prospect for gold was granted during the year.

63. *Forest museum.*—Several additions were made during the year to the museum at Coimbatore and the ornamental garden attached to it was also maintained.

APPENDICES.

APPENDICES.

APPENDIX A.—District areas and Forest reserves.

District.	(a) Total area excluding feudatory and tributary states.	(b) Area excluding zamindari, whole inam villages and minor inams in ryotwari tracts.	(b) Occupied area.	Particulars of remaining area (columns 3—4).			Reserved forests and reserved lands.			Percentage of column 10 to column 3.	Percentage of column 10 to column 7.
				(b) Unoccupied, cultivable, uncultivable and forest areas.	(a) Areas for which returns are not available.	Total of columns 5 and 6.	Reserved forests under Act V of 1882.	Reserved lands.	Total of reserves (columns 8 and 9).		
1	2	3	4	5	6	7	8	9	10	11	12
Northern Circle.	ACS.	ACS.	ACS.	ACS.	ACS.	ACS.	ACS.	ACS.	ACS.		
Ganjám	5,356,224	1,609,462	415,082	708,325	486,055	1,194,380	344,589	38,400	382,989	23·80	32·07
Vizagapatam	11,022,714	845,048	176,537	314,517	353,994	668,511	190,700	30,009	220,709	26·12	33·02
Gódávari	5,102,080	2,581,559	1,039,205	1,542,354	..	1,542,354	609,245	48,750	657,995	25·49	42·66
Kistna	5,439,467	3,491,745	2,068,575	1,423,170	..	1,423,170	628,648	12,099	640,747	18·35	45·02
Kurnool	4,849,767	4,217,990	1,422,425	2,795,565	..	2,795,565	1,576,353	118,799	1,695,152	40·19	60·64
Bellary	3,656,230	2,979,318	1,876,231	1,103,087	..	1,103,087	366,508	73,771	440,279	14·78	39·91
Anantapur	3,556,083	3,019,406	1,578,099	1,441,307	..	1,441,307	326,089	..	326,089	10·80	22·62
Total ..	38,982,565	18,744,528	8,576,154	9,328,325	840,049	10,168,374	4,042,132	321,828	4,363,960	23·28	42·92
Central Circle.											
Cuddapah	5,582,739	4,858,645	1,434,251	3,424,089	305	3,424,394	1,416,525	93,760	1,510,285	31·08	44·10
Nellore	5,607,092	2,399,699	1,128,027	1,271,672	..	1,271,672	473,786	4,324	478,110	19·92	37·60
Chingleput	1,971,041	1,306,947	665,917	641,030	..	641,030	136,788	24	136,812	10·47	21·34
North Arcot	4,722,713	2,499,571	893,736	1,605,835	..	1,605,835	825,409	333	825,742	33·04	51·42
South Arcot	3,339,520	2,989,652	1,695,057	1,294,595	..	1,294,595	424,650	..	424,650	14·20	32·80
Salem	4,818,982	3,575,262	1,451,282	2,123,980	..	2,123,980	998,795	61,185	1,059,980	29·65	49·91
Trichinopoly	2,324,804	1,714,853	1,103,079	611,774	..	611,774	192,460	9,095	201,555	11·75	32·95
Tanjore	2,375,386	1,582,935	1,143,228	439,707	..	439,707	12,461	..	12,461	00·79	2·83
Total ..	30,742,277	20,927,564	9,514,577	11,412,682	305	11,412,987	4,480,874	168,721	4,649,595	22·22	40·74
Southern Circle.											
South Canara	2,573,389	2,568,050	696,748	1,871,302	..	1,871,302	423,475	261,036	684,511	26·65	36·58
Malabar	3,703,967	3,684,582	1,106,910	2,577,672	..	2,577,672	287,417	58,239	345,656	9·38	13·41
Nilgiris, The	612,557	612,888	199,381	413,507	..	413,507	261,602	58,056	319,658	52·16	77·30
Coimbatore	5,030,790	4,587,157	2,514,822	2,072,335	..	2,072,335	1,305,873	172,640	1,478,513	32·23	71·35
Madura	5,568,905	2,079,071	1,122,704	956,367	..	956,367	390,242	5,860	396,102	19·05	41·42
Tinnevelly	3,448,922	2,279,284	1,481,756	797,528	..	797,528	279,505	453	279,958	12·28	35·10
Total ..	20,938,530	15,811,032	7,122,321	8,688,711	..	8,688,711	2,948,114	556,284	3,504,398	22·16	40·33
Grand Total ..	90,663,372	55,483,124	25,213,052	29,429,718	840,354	30,270,072	11,471,120	1,046,833	12,517,953	22·56	41·35

(a) Area by professional survey.

(b) Area according to village papers.

APPENDIX B.—Reserved forests in square miles.

Districts.	Up to 1902–1903.	During 1902–1903.	During 1903–1904.	Total.
1	2	3	4	5
Northern Circle.	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.
Ganjám	536	..	2	538
Vizagapatam	245	53	..	298
Gódávari	951	1	..	952
Kistna	920	37	25	982
Kurnool	2,296	31 (*a*) + 38 (*a*) — 31 (*b*) — 1	132 (*a*) — 2	2,463
Bellary	561	10	2	573
Anantapur	508	2	..	510
Total ..	6,017	140	159	6,316
Central Circle.				
Cuddapah	2,191	27 (*b*) — 2	(*b*) — 3	2,213
Nellore	723	16	1	740
Chingleput	214	..	..	214
North Arcot	1,266	26 (*a*) — 1	(*a*) — 1	1,290
South Arcot	661	2	..	663
North Salem	1,470	13 (*a*) + 2	19	832
South Salem		13 (*a*) + 26 (*a*) — 16	33	728
Trichinopoly	269	27	5	301
Tanjore	19	..	(*a*) + 1	20
Total ..	6,813	133	55	7,001
Southern Circle.				
South Canara	662	..	..	662
North Malabar	231	..	..	231
South Malabar	218	..	..	218
The Nilgiris	401	2	5	408
North Coimbatore	1,109	215 (*a*) + 9	45	1,378
South Coimbatore	662	..	..	662
Madura	610	— 1	1	610
Tinnevelly	431	5	1	437
Total ..	4,324	230	52	4,606
Grand Total ..	17,154	503	266	17,923

(*a*) Revised estimate. (*b*) Disafforested.

Appendix C.—Particulars of balance of lands under Settlement.

District.	Forest settlement.					
	Total number and area of blocks under settlement up to the end of 1903-1904.		Total number and area of blocks constituted finally as reserved forests up to the end of 1903-1904.		Balance at the end of 1903-1904.	
	Number.	Area.	Number.	Area.	Number.	Area.
1	2	3	4	5	6	7
Northern Circle.		SQ. MLS.		SQ. MLS.		SQ. MLS.
Ganjám	52	598	51	538	1	60
Vizagapatam	52	298	52	298	..	..
Gódávari	87	1,028	84	952	3	76
Kistna	227	1,003 (*b*) — 2	223	982	4	19
Kurnool	102	2,657 (*b*) — 8	89	2,463	13	186
Bellary	153	626	144	573	9	53
Anantapur	80	510	80	510	..	..
Total	753	6,710	723	6,316	30	394
Central Circle.						
Cuddapah	214 (*c*) — 1 (*d*) — 2	2,373 (*b*) — 5 (*c*) — 5 (*d*) — 3	205	2,213	6	147
Nellore	233 (*c*) — 1	748 (*c*) — 1	227	740	5	7
Chingleput	197	214	196	214	1	(*e*) ..
North Arcot	193	1,291 (*a*) — 1	192	1,290	1	(*e*) ..
South Arcot	157	663	157	663	..	..
North Salem	75	924 (*b*) — 1	70	832	5	91
South Salem	103	735 (*b*) — 2	102	728	1	5
Trichinopoly	119	315	115	301	4	14
Tanjore	15	19 (*a*) + 1	15	20	..	..
Total	1,302	7,265	1,279	7,001	23	264
Southern Circle.						
South Canara	132	777	95	662	37	115
North Malabar	24	256	22	231	2	25
South Malabar	13	263	12	218	1	45
The Nilgiris	428	413	412	408	16	5
North Coimbatore	49	1,642 (*b*) — 2	47	1,378	2	262
South Coimbatore	21	662	21	662	..	..
Madura	149	619	148	610	1	9
Tinnevelly	68	437	63	437	5	(*e*) ..
Total	884	5,067	820	4,606	64	461
Grand Total	2,939	19,042	2,822	17,923	117	1,119

(*a*) Revision of area. (*b*) Excluded at settlement. (*c*) Initial notification cancelled.
(*d*) Disafforested. (*e*) Below one sq. mile.

Appendix C.—Particulars of balance of Lands under Settlement—*cont.*

District.	Settled and reported on.								Settled but not reported on.		Settlement proceeding.	
	Notified under section 16 during 1903–1904, but reservation effected only after 30th June 1904.		With Board or Government awaiting publication of Notification under section 16.		Returned by the Board for revision and remaining either with Collector, District Forest-officer or Forest Settlement-officer.		Total settled and reported on.					
	Number.	Area.	Number.	Area.	Number.	Area.	Number.	Area.	Number.	Area.	Number.	Area.
	8	9	10	11	12	13	14	15	16	17	18	19
Northern Circle.		SQ. MLS.		SQ. MLS.		SQ. MLS.		SQ.MLS.		SQ.MLS.		SQ. MLS.
Ganjám	..	..	..	..	..	..	..	..	..	..	1	60
Vizagapatam ..	..	..	..	..	..	..	..	..	..	..	..	..
Gódávari	..	..	..	..	..	..	..	..	..	..	1	75
Kistna	1	6	2	* 13	..	..	3	19	..	..	(b) 2 1	1 (a)
Kurnool	1	1	4	* 65	..	..	5	66	1	1	7	119
Bellary	..	..	1	*(a)	..	..	1	(a)	..	..	8	53
Anantapur ..	..	..	..	..	..	..	..	..	..	..	..	..
Total ..	2	7	7	78	..	..	9	85	1	1	20	308
Central Circle.												
Cuddapah	..	..	..	..	3	128	3	128	1 2	* 6 13	..	..
Nellore	1	(a) ..	3	* 3	..	..	4	3	..	..	1	4
Chingleput ..	1	(a) ..	..	..	..	..	1	(a)..	..	..	..	..
North Arcot ..	..	..	..	..	..	..	..	..	..	..	(b) 1	(a)
South Arcot ..	..	..	..	..	..	..	..	..	..	..	..	..
North Salem ..	..	..	..	..	..	..	..	..	1	4	4	87
South Salem ..	..	..	..	..	..	..	..	..	1	5	..	..
Trichinopoly ..	1	5	1	* 5	..	..	2	10	..	..	2	4
Tanjore	..	..	..	..	..	..	..	..	..	..	..	..
Total ..	3	5	4	8	3	128	10	141	5	28	8	95
Southern Circle.												
South Canara ..	1	6	2	* 5	1	(a) ..	4	11	2	3	31	101
North Malabar ..	..	..	1	* 4	..	..	1	4	..	..	1	21
South Malabar ..	..	..	..	..	..	..	..	..	..	..	1	45
The Nilgiris ..	9	2	..	..	2	(a) ..	11	2	1	1	4	2
North Coimbatore.	..	..	..	..	..	..	..	..	..	..	2	262
South Coimbatore.	..	..	..	..	..	..	..	..	..	..	..	..
Madura	..	..	1	* 9	..	..	1	9	..	..	..	..
Tinnevelly ..	..	..	..	..	..	..	..	..	..	..	1 (b) 4	(a) ..
Total ..	10	8	4	18	3	(a) ..	17	26	3	4	44	431
Grand Total, Presidency ..	15	20	15	104	6	128	36	252	9	33	72	834

(a) Below one square mile. (b) Pending with Revenue Divisional-officers.

* Notified under section 16 subsequent to the close of the year.

APPENDIX C.—Particulars of balance of Lands under Settlement—*cont.*

Districts.	Of lands notified under section 4.																			
	1891-92.		1894-95.		1895-96.		1896-97.		1897-98.		1898-99.		1899-00.		1900-1901.		1901-1902.		1902-1903.		1903-1904.	
	Number.	Area.	Number.	Area.	Number.	Area.	Number.	Area.	Number.	Area.	Number.	Area.	Number.	Area.	Number.	Area.	Number.	Area.	Number.	Area.	Number.	Area.
	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
Northern Circle.		S. M.		S. M.		S. M.		S. M.		S. M.		S. M.		S. M.		S. M.		S. M.		S. M.		S. M.
Ganjám ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	60
Vizagapatam ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Gódávari ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	75	..	..	2	1
Kistna	..	..	..	..	..	..	..	..	..	..	..	..	..	..	3	12	..	..	..	..	1	7
Kurnool ..	..	..	..	..	..	..	..	..	1	88	..	..	..	..	..	..	1	49	6	22	5	27
Bellary ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	(a)	..	..	8	53
Anantapur ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total ..	..	..	..	..	..	..	..	..	1	88	..	..	..	..	3	12	3	124	6	22	17	148
Central Circle.																						
Cuddapah ..	..	..	4	134	..	..	..	..	2	13	..	..	..	..	..	..	..	..	..	..	..	..
Nellore	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	5	7	..	..
Chingleput ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	(a)	..	..
North Arcot .	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	(a)	..	..
South Arcot ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
North Salem ..	..	..	..	..	..	..	..	..	..	..	..	..	1	4	4	87	..	..	..	..	..	..
South Salem ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	5	..	..
Trichinopoly ..	..	..	..	..	..	..	1	2	..	..	3	12	..	..	..	..	..	..	..	..	..	..
Tanjore ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total ..	..	..	4	134	..	..	1	2	2	13	3	12	1	4	4	87	..	..	8	12	..	..
Southern Circle.																						
South Canara ..	..	..	1	3	1	4	4	13	..	..	2	21	..	..	1	2	3	15	9	31	16	26
North Malabar..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	4	..	..	1	21
South Malabar..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	45
The Nilgiris ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	12	4	1	(a)	..	..	3	1
North Coimbatore	1	246	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	16	..	..	..	..
South Coimbatore	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Madura ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	9	..	..	..	..
Tinnevelly ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	(a)	..	..	4	(a)
Total ..	1	246	1	3	1	4	4	13	..	..	2	21	..	..	13	6	8	44	9	31	25	93
Grand Total ..	1	246	5	137	1	4	5	15	3	101	5	33	1	4	20	105	11	168	23	65	42	241

(a) Below one square mile.

APPENDIX D.—Causes of delay in the submission of final notifications of Forest reserves.

Districts.	Notified under section 16 during 1903–1904, but with effect only after 30th June 1904.	With Board or Government awaiting publication of notification under section 16.	Pending with Collectors and Forest-settlement officers for revision.	Awaiting disposal of appeals.	Awaiting grant of compensation or exchange of lands.	Awaiting demarcation and survey of enclosures, and preparation of maps.	Awaiting District Forest-officer's answers to claims, demarcation, etc.	Awaiting inspection by the Forest Settlement officers.	Awaiting information from Tahsildars or other Revenue officers.	Awaiting expiry of time prescribed for appeal.	Other causes (such as recently notified, settlement of village boundary, renotification under section 4) etc.	Total.
1	2	3	4	5	6	7	8	9	10	11	12	13
Ganjám	..	..	..	..	..	1	..	..	..	..	..	1
Vizagapatam ..	..	..	..	..	..	..	..	..	..	..	..	..
Gódávari	..	..	..	1	..	..	..	..	..	..	2	3
Kistná	1	2	..	..	..	..	..	..	..	..	1	4
Kurnool	1	4	1	..	2	1	2	..	2	..	..	13
Bellary	..	1	..	..	2	..	..	..	..	..	6	9
Anantapur ..	..	..	..	..	..	..	..	..	..	..	..	..
Cuddapah ..	..	..	6	..	..	..	..	..	..	..	..	6
Nellore	1	3	..	..	..	..	..	..	1	..	..	5
Chingleput ..	1	..	..	..	..	..	..	..	..	..	..	1
North Arcot ..	..	..	..	1	..	..	..	..	..	..	..	1
South Arcot ..	..	..	..	..	..	..	..	..	..	..	..	..
North Salem ..	..	..	1	1	..	..	..	2	..	1	..	5
South Salem ..	..	..	1	..	..	..	..	..	..	..	..	1
Trichinopoly ..	1	1	..	1	..	..	1	..	..	..	..	4
Tanjore	..	..	..	..	..	..	..	..	..	..	..	..
South Canara ..	1	2	3	4	..	..	11	8	..	..	8	37
North Malabar ..	..	1	..	..	..	..	..	1	..	..	..	2
South Malabar ..	..	..	..	..	..	..	..	..	..	..	1	1
The Nilgiris ..	9	..	3	..	..	..	3	1	..	..	..	16
North Coimbatore.	..	..	..	..	..	..	..	1	..	..	1	2
South Coimbatore.	..	..	..	..	..	..	..	..	..	..	..	..
Madura	..	1	..	..	..	..	..	..	..	..	..	1
Tinnevelly ..	..	..	..	..	..	..	..	..	1	..	4	5
Total ..	15	15	15	8	4	2	17	13	4	1	23	117

APPENDIX E.—Reserved Lands not under Settlement in square miles.

Districts.	Up to 1902-1903.	Added during 1902-1903.	Added during 1903-1904.	Total.	Transferred for settlement.				Balance "reserved lands" not under settlement.
					Up to 1902-1903.	During 1902-1903.	During 1903-1904.	Total.	
1	2	3	4	5	6	7	8	9	10
Northern Circle.									
Ganjám	538	..	60	598	536	2	60	598	..
Vizagapatam ..	344	(a) + 1	..	345	298	..	..	298	47
Gódávari	1,027	..	1	1,028	1,027	..	1	1,028	..
Kistna	1,059	(a) + 2, (b) — 4, (c) — 46, (e) — 8	(b) — 2	1,001	(b) — 2 : 996	..	7	1,001	..
		1	1						
Kurnool	2,703	(a) + 8, (b) — 6, (c) — 29, (d) — 1	(a) — 1, (b) — 8, (c) — 19	2,649	2,605	(b) — 8 : 25	27	2,649	..
Bellary	636	..	53	688	(i) — 1 : 574	..	53	626	62(g)
Anantapur	510	..	(i) — 1	510	510	..	..	510	..
Total ..	6,817	— 82	84	6,819	6,543	19	148	6,710	109
Central Circle.									
Cuddapah	2,389	(b) — 14, (d) — 2	(b) — 5, (d) — 3, (e) — 5	2,360	(b) — 5, (d) — 3, (e) — 5 : 2,373	..	..	2,360	..
Nellore	761	(b) — 3, (c) — 6, (e) — 4	(e) — 1	747	(e) — 1 : 741	7	..	747	..
Chingleput ..	214	..	..	214	214	..	..	214	..
North Arcot ..	1,295	(a) — 1, (b) — 3	(a) — 1	1,290	(a) — 1 : 1,291	..	..	1,290	(f)
South Arcot ..	664	(a) — 1	..	663	663	..	..	663	..
North Salem ..	923	(a) + 2, (e) — 1	(b) — 1	923	(b) — 1 : 924	..	..	923	..
South Salem ..	727	(a) + 10, (b) — 2	(b) — 2	733	(b) — 2 : 735	..	..	733	..
Trichinopoly ..	316	(a) + 2, (b) — 3	..	315	315	..	..	315	..
Tanjore	19	..	(a) + 1	20	(a) + 1 : 19	..	..	20	..
Total ..	7,308	— 26	— 17	7,265	7,258	7	..	7,265	..
Southern Circle.									
South Canara ..	1,075	(a) — 3, (c) — 1	(c) — 2	1,070	720	31	26	777	293
North Malabar ..	235	..	21	256	235	..	21	256	..
South Malabar ..	266	..	18	284	218	..	45	263	21(h)
The Nilgiris ..	498	..	1	499	412	..	1	413	86(g)
North Coimbatore.	1,649	(a) + 9, (b) — 8	(b) — 2	1,648	(b) — 2 : 1,642	..	..	1,640	8
South Coimbatore .	662	..	..	662	662	..	..	662	..
Madura	626	(a) — 1	..	619	619	..	..	619	..
Tinnevelly ..	436	1	..	437	436	1	..	437	..
Total ..	5,441	— 3	37	5,475	4,942	32	93	5,067	408
Grand Total ..	19,566	— 111	104	19,559	18,743	58	241	19,042	517

(a) Revision of area. (b) Excluded at settlement. (c) Abandoned. (d)) Disafforested.
(e) Initial notification cancelled. (f) Below one square mile. (g) Leased forests.
(h) Nineteen square miles represent leased forests and the remaining two square miles (Panakadan block) have been notified under section 4 subsequent to the close of the year.
(i) Rounding off fractions in previous years' return.

APPENDIX F.—Abstract of district reports in regard to the maintenance of maps in accordance with the provisions of section 81 of the Forest Code.

Northern Circle.

Ganjám.—The district and range maps were posted. Besides 76 maps of fire-protected blocks, 40 maps of coupes and 27 other maps were prepared.

Vizagapatam.—A district reference map showing all reserves, roads, etc. (4 miles = 1 "), three range forest reference maps and sketch-maps for reserves were maintained.

Gódávari.—The district map (1" = 4 miles), also range forest maps and separate maps for each reserve were maintained.

The maps referred to in previous report were maintained.

Kistna.—The maps referred to in the previous report were maintained. Final maps for about 36 square miles of reserved forest were received.

Kurnool.—The maps referred to in the previous report were maintained and final maps for three reserves were received.

Bellary.—The district range and reserve maps were maintained.

Anantapur.—Final maps for four square miles of reserved forests and maps for working plans were prepared during the year.

Central Circle.

Cuddapah.—The district and taluk maps were maintained and posted up as usual. Fair copies of nine reserve maps were prepared for photo-zincography at the Survey office, Madras, and nine tracings of working circles were prepared and supplied to the Range officer, Ráyachóti. All the working circles were posted on the district map and all reserves and working circles were posted on a new district map for the use of District Forest-officer. Adjoining reserves in the Nellore district were posted on the district map.

Nellore.—The maps referred to in section 81 of the Forest Code except range reference maps were maintained. Instead of range reference maps, the taluk maps (1" = 1 mile) in which the several reserves are indicated by the Survey department are being used. Copies of sketches of final maps for the ranges of Kanigiri, Kávali, Udayagiri, Rapur, Coast and Sríharikóta were supplied to the Range officers concerned.

Chingleput.—The district and taluk maps were maintained. Maps for 32 reserves were under preparation in the Central Survey office, Madras.

North Arcot.—The district and taluk reference maps were posted besides final maps prepared for five blocks covering an aggregate area of 22·14 square miles.

South Arcot.—Office reference map, the District Forest Officer's map and range maps, concession plans, etc., were posted. Besides copies of reserve maps for six blocks (8 " = 1 mile) were prepared in tracing cloth for the use of Range officers. Paper-tracing of two blocks from the Tiruvannámalai working circle maps as also paper outline maps of twelve reserves were prepared and supplied to Range officers.

North Salem.— he district forest reference map and range forest reference maps, Survey of India plans (4" = 1 mile) for 62 reserved forests, Madras survey maps (8 " = 1 mile) for six reserved forests and departmental survey maps for two reserved forests were maintained. Working plan maps were also kept.

South Salem.—The district maps were posted up. Four copies of index map of Vanavasi and Sheveroys central working plans were prepared and maps of the other working plans corrected. The area burnt during the fire season of 1904 in the coupes and specially protected blocks were marked in the reserve maps concerned and plotted on the respective working plan maps for reference.

Trichinopoly.—The district forest reference and the range reference maps were maintained. Tracings for 63 reserves were also prepared.

Tanjore.—The district as well as the range reference maps with forest reserves, etc., shown in them were maintained. Separate maps for each reserve with topographical features and admitted rights indicated thereon were also kept. Working plan maps (8 " = 1 mile) were maintained for the Vettangudi reserve and the North and South and Neiduvasal casuarina plantations, Shiyali taluk.

Southern Circle.

South Canara.—District reference map was posted up to date and maps for all reserved forests except Bhagimale and Nujimali reserves were maintained.

North Malabar.—The district reference map was posted up to date. Final maps of all reserves have been printed.

South Malabar.—The district reference maps (three copies), range reference maps were posted up during the year. Teak plantations were marked on Karimpoya reserve map and settlement maps of Silent valley, Arimbrakunnu, Kattanikunnu, Panakadan hills were prepared. A tracing of Attipadi valley reserve was also prepared.

Nilgiris, The.—The office reference map was posted up to 30th June 1901. The range topo maps and settlement maps were similarly posted. Working circle plans for nine reserves prepared by Messrs. Gamble and Arbuthnot were also maintained. No separate maps for reserves except Mudumalai, Bene and Kumbarakolli forests were available, but village maps indicating the reserves as notified under section 16 were maintained.

North Coimbatore.—The office reference map was maintained. Reserve maps for all reserves in the Erode range (Erode, Dharapuram and Karúr taluks) are available. Settlement maps have been supplied to all Range officers for the principal reserves to be used with the topographical sheets until survey is completed.

South Coimbatore.—District forest reference map was maintained in duplicate as also range forest reference maps. There are Survey of India maps for all reserves except Elayamuthur, Dhali, Sankararayapuram, Nellimali and Avanashi for which there are maps prepared by the Madras Revenue Survey maps. Separate maps for each of the working circles were maintained.

Madura.—There are Survey of India maps for almost all the reserves except for ten forests.

Tinnevelly.—The district reference map was posted up to 30th June 1901. Final maps for thirteen reserves were under preparation in the Central Survey office, Madras.

APPENDIX G.—Statement showing Area of Reserved Forests for which final Maps have been prepared.

Districts.	Area of reserved forests.	Area of reserved forests for which final maps have been prepared.
	SQ. MILES.	SQ. MILES.
Ganjám	538	538
Vizagapatam	298	14
Gódávari	952	..
Kistna	982	623
Kurnool	2,463	814
Bellary	573	499
Anantapur	510	510
Cuddapah	2,213	2,213
Nellore	740	227
Chingleput	214	68
North Arcot	1,290	1,270
South Arcot	663	663
North Salem	832	832
South Salem	728	698
Trichinopoly	301	108
Tanjore	20	20
South Canara	662	647
North Malabar	231	231
South Malabar	218	35
The Nilgiris	408	..
North Coimbatore	1,378	330
South Coimbatore	662	662
Madura	610	598
Tinnevelly	437	410
Total ..	17,923	12,010

Annual Form No. 44.

Forest Department, Madras Presidency.

Area of reserved forests and reserved lands during 1903–1904.

Districts.	Area of reserved forests.						Area of reserved lands.						Total area of reserved forests and reserved lands.
	Area on 1st July 1903.		Added during the year.	Excluded during the year.	Area on 30th June 1904.		Area on 1st July 1903.		Added during the year.	Excluded during the year.	Area on 30th June 1904.		
	Acres.	Equivalent in square miles.	Acres.	Acres.	Acres.	Equivalent in square miles.	Acres.	Equivalent in square miles.	Acres.	Acres.	Acres.	Equivalent in square miles.	SQ. MLS.
Northern Circle.													
Ganjám	343,287	536	1,302	..	344,589	538	1,302	2	38,400	1,302	38,400	60	598
Vizagapatam	190,700	298	..	..	190,700	298	30,009	47	..	..	† 30,009	47	345
Gódávari	609,245	952	..	..	609,245	952	47,955	75	795	..	48,750	76	1,028
Kistna	612,460	957	16,208	20	628,648	982	29,725	46	12	17,638	12,099	19	1,001
Kurnool	1,493,327	2,333	84,265	1,239	1,576,353	2,463	219,146	343	1,236	101,583	118,799	186	2,649
Bellary	* 365,382	571	1,176	50	366,508	573	41,437	65	33,520	1,186	73,771	115	688
Anantapur	326,089	510	..	..	326,089	510	..	..	..	..	..	..	510
Total ..	3,940,490	6,157	102,951	1,309	4,042,132	6,316	369,574	578	73,963	121,709	321,828	503	6,819
Central Circle.													
Cuddapah	1,418,143	2,216	..	1,618	1,416,525	2,213	100,460	157	..	6,700	93,760	147	2,360
Nellore	472,761	739	1,025	..	473,786	740	5,708	9	..	1,384	4,324	7	747
Chingleput	136,788	214	..	..	136,788	214	24	..	..	..	24	..	214
North Arcot	826,015	1,291	29	635	825,409	1,290	332	..	1	..	333	..	1,290
South Arcot	424,650	663	..	..	424,650	663	..	..	..	..	..	..	663
North Salem	520,293	813	12,409	58	532,644	832	71,015	111	..	12,589	58,426	91	923
South Salem	444,929	695	21,222	..	466,151	728	25,571	40	..	22,812	2,759	5	733
Trichinopoly	189,258	296	3,202	..	192,460	301	12,400	19	..	3,305	9,095	14	315
Tanjore	12,395	19	103	37	12,461	20	..	..	..	..	..	..	20
Total ..	4,445,232	6,946	37,990	2,348	4,480,874	7,001	215,510	336	1	46,790	168,721	264	7,265
Southern Circle.													
South Canara	423,475	662	..	..	423,475	662	261,767	409	411	1,142	261,036	408	1,070
North Malabar	147,578	231	..	..	147,578	231	2,492	4	13,715	..	16,207	25	256
South Malabar	139,839	218	..	..	139,839	218	30,512	48	11,520	..	42,032	66	284
The Nilgiris	258,258	403	3,344	..	261,602	408	60,662	95	747	3,353	58,056	91	499
North Coimbatore	853,264	1,333	28,952	..	882,216	1,378	202,880	317	..	30,240	172,640	270	1,648
South Coimbatore	423,657	662	..	..	423,657	662	..	..	..	..	..	..	662
Madura	390,042	609	380	180	390,242	610	6,096	10	..	236	5,860	9	619
Tinnevelly	278,896	436	609	..	279,505	437	890	1	172	609	453	..	437
Total ..	2,915,009	4,554	33,285	180	2,948,114	4,606	565,299	884	26,565	35,580	556,284	869	5,475
Grand Total ..	11,300,731	17,657	174,226	3,837	11,471,120	17,923	1,150,383	1,798	100,529	204,079	1,046,833	1,636	19,559

* Correct figure.

† This excludes 403,531 acres of forest and waste lands at the disposal of Government in the Palkonda and Golgonda Agency tracts for the management of which special rules have been framed by Government under section 26 of the Forest Act.

FORM No. 44.

District.	Name of forest.	Area on 1st July 1903. Acres.	Area on 1st July 1903. Equivalent in square miles.	Added during the year. Acres.	Excluded. Acres.	Area on 30th June 1904. Acres.	Area on 30th June 1904. Equivalent in square miles.	Number and date of notification of addition or transfer.
	Reserved forests.							
Ganjám.	Mohagara I and II	..	..	1,200	..	1,200	..	No. 284, dated 4th July 1903.
	Gogoda extension	..	..	102	..	102	..	No. 346, dated 24th August 1903.
	Area notified in previous years ..	343,287	..	..	..	343,287	..	
	Total ..	343,287	536	1,302	..	344,589	538	
	Reserved lands not transferred to reserved forests during the year.							
	Pondakkol	..	..	38,400	..	38,400	60	No. 436, dated 2nd November 1903.
	Reserved forests.							
Visagapatam.	Area notified in previous years ..	190,700	298	..	..	190,700	298	
	Reserved lands not transferred to reserved forests during the year.							
	Area notified in previous years ..	30,009	47	..	..	30,009	47	
	Reserved forests.							
	Area notified in previous years..	609,245	952	..	..	609,245	952	
	Reserved lands not transferred to reserved forests during the year.							
Gódávari.	Busipakalu enclosure (Marigura reserve).	..	..	300	..	300	..	No. 430, dated 17th October 1903.
	Lakkavaram addition	..	..	495	..	495	..	No. 259, dated 24th June 1904.
	Area notified in previous years..	47,955	..	..	..	47,955	..	
	Total ..	47,955	75	795	..	48,750	76	
	Reserved forests.							
Kistna..	Venkatayapalem Extension No. 8.	..	..	2,069	..	2,069	..	No. 364, dated 10th September 1903.
	Ipurupalem	..	..	4,628	..	4,628	..	No. 389, dated 23rd September 1903.
	Govindapuram	..	..	1,815	..	1,815	..	No. 410, dated 5th October 1903.
	Pillutla	..	..	2,842	..	2,842	..	No. 429, dated 19th September 1903.
	Rammannapeta	..	..	434	..	434	..	No. 498, dated 16th December 1903.
	Muppalla	..	..	2,990	..	2,990	..	No. 25, dated 11th January 1904.
	Yelachitladibba extension ..	..	..	1,430	..	1,430	..	No. 46, dated 21st January 1904.
	Area notified in previous years..	612,460	..	..	(*d*) 20	612,440	..	
	Total ..	612,460	957	16,208	20	628,648	982	
	Reserved lands not transferred to reserved forests during the year.							
	Sorlagondi extension	4,700	..	..	(*c*) 100	4,600	..	No. 347, dated 24th August 1903.
	Area notified in previous years..	8,817	..	(*a*) 12	(*b*) 1,330	7,499	..	
	Total ..	13,517	21	12	1,430	12,099	19	
	Reserved forests.							
Kurnool.	Jaladurgam extension No. 1 ..	..	..	4,108	..	4,108	..	No. 152, dated 9th April 1903.
	Eastern Nallamalai block No. 7.	..	..	2,741	..	2,741	..	No. 182, dated 30th April 1903.
	Eddupenta	..	..	1,472	..	1,472	..	No. 217, dated 29th May 1903.
	Eastern Nallamalai extension No. 13.	..	..	1,380	..	1,380	..	No. 244, dated 12th June 1903.
	Northern Veligonda extension ..	..	..	12,920	..	12,920	..	No. 271, dated 22nd June 1903.
	Kottaburuzu	..	..	1,198	..	1,198	..	No. 283, dated 4th July 1903.

*(*a*) Revision of area. (*b*) Excluded at settlement. (*c*) Abandoned. (*d*) Portion of the Lam reserve disafforested.

District.	Name of forest.	Area on 1st July 1903. Acres.	Area on 1st July 1903. Equivalent in square miles.	Added during the year. Added.	Excluded. Acres.	Area on 30th June 1904. Acres.	Area on 30th June 1904. Equivalent in square miles.	Number and date of notification of addition or transfer.
				Reserved forests—cont.				
Kurnool.—*cont.*	Eastern Nallamalai block No. 14.	..	..	4,671	..	4,671	..	No. 301, dated 17th July 1903.
	Yadavada	..	..	1,142	..	1,142	..	No. 328, dated 11th August 1903.
	Eastern Nallamalai block No. 12.	..	..	3,864	..	3,864	..	No. 341, dated 18th August 1903.
	Eastern Nallamalai block No. 11.	..	..	4,659	..	4,659	..	No. 358, dated 4th September 1903.
	Pattikonda	..	..	3,960	..	3,960	..	No. 379, dated 14th September 1903.
	Southern Veligonda extension (Allinagaram).	..	..	6,970	..	6,970	..	No. 413, dated 8th October 1903.
	Panem	..	..	23,598	..	23,598	..	No. 454, dated 17th November 1903.
	Eastern Nallamalai block No. 9.	..	..	2,434	..	2,434	..	No. 459, dated 21st November 1903.
	Eastern Nallamalai block No. VI (*a*) (1)—VI (*a*) (2).	..	..	3,387	..	3,387	..	No. 488, dated 9th December 1903.
	Eastern Nallamalai block VI (*b*).	..	..	1,803	..	1,803	..	Do.
	Eastern Nallamalai block VI (*c*).	..	..	1,687	..	1,687	..	Do.
	Tuggali No. II	..	..	2,015	..	2,015	..	No. 38, dated 12th January 1904.
	Area notified in previous years ..	1,493,327	..	(*a*) 256	(*a*) 1,239	1,492,344	..	
	Total ..	1,493,327	2,333	84,265	1,239	1,576,353	2,463	
				Reserved lands not transferred to reserved forests during the year.				
	Ramavaram	2,812	..	..	..	2,812	..	No. 399, dated 30th September 1903.
	Yerragudi	3,655	..	..	..	3,655	..	No. 402, dated 30th Sepetmber 1903.
	Yemboyi	3,455	..	..	..	3,455	..	No. 411, dated 6th October 1903.
	Owk extension	..	..	645	..	645	..	No. 458, dated 19th November 1903.
	Rengapuram	6,822	..	..	..	6,822	..	No. 56, dated 4th February 1904.
	Area notified in previous years..	118,393	..	(*a*) 591	(*b*) 4,952 (*c*) 12,622	101,410	..	
	Total ..	135,137	211	1,236	17,574	118,799	186	
				Reserved forests.				
Bellary.	Chintapalli South	..	..	1,130	..	1,130	..	No. 150, dated 6th April 1903.
	Mundrigi	..	..	46	..	46	..	No. 218, dated 29th May 1903.
	Area notified in previous years..	365,382	..	..	(*a*) 50	365,332	..	
	Total ..	365,382	571	1,176	50	366,508	573	
				Reserved lands not transferred to reserved forests during the year.				
	Halasagaram	..	..	5,639	..	5,639	..	No. 27, dated 11th January 1904.
	Tonashigiri	..	..	1,282	..	1,282	..	No. 37, dated 12th January 1904.
	Sheliyappanahalli	..	..	4,237	..	4,237	..	No. 57, dated 4th February 1904.
	Gudekota extension	..	..	1,655	..	1,655	..	Do.
	Choranur	..	..	5,354	..	5,354	..	No. 101, dated 2nd March 1904.
	Hosahalli	..	..	3,647	..	3,647	..	No. 112, dated 9th March 1904.
	Jaramalai	..	..	3,471	..	3,471	..	No. 113, dated 9th March 1904.
	Jammanobanahalli	..	..	8,235	..	8,235	..	No. 153, dated 7th April 1904.
	Area notified in previous years ..	40,261	..	..	(*b*) 10	40,251	..	
	Total ..	40,261	63	33,520	10	73,771	115	
				Reserved forests.				
Anantapur.	Area notified in previous years..	326,089	510	..	..	326,089	510	
				Reserved lands not transferred to reserved forests during the year—Nil.				

(*a*) Revision of area. (*b*) Excluded at settlement. (*c*) Abandoned.

District.	Name of forest.	Area on 1st July 1903. Acres.	Area on 1st July 1903. Equivalent in square miles.	Added during the year. Acres.	Excluded. Acres.	Area on 30th June 1904. Acres.	Area on 30th June 1904. Equivalent in square miles.	Number and date of notification of addition or transfer.
	Reserved forests.							
Cuddapah.	Chapad	809	..	..	(*d*) 809	..	..	No. 47, dated 21st January 1904.
	Pallavole	809	..	..	(*d*) 809	..	..	Do.
	Area notified in previous years	1,416,525	..	..	..	1,416,525	..	
	Total	1,418,143	2,216	..	1,618	1,416,525	2,213	
	Reserved lands not transferred to reserved forests during the year.							
	Yellutla extension	3,216	..	..	(*e*) 3,216	..	..	No. 243, dated 9th June 1904.
	Area notified in previous years	97,244	..	..	(*b*) 3,484	93,760	..	
	Total	100,460	157	..	6,700	93,760	147	
	Reserved forests.							
Nellore.	Utukur Varini block C. extensions A and B	..	..	393	..	393	..	No. 305, dated 24th July 1903.
	Nandanavanam block A-I extension.	..	..	9	..	9	..	No. 329, dated 11th August 1903.
	Lebur blocks Nos. I and II	..	..	263	..	263	..	No. 457, dated 17th November 1903.
	Kavali tope	..	..	135	..	135	..	No. 455, dated 21st November 1903.
	Musunur tope	..	..	225	..	225	..	No. 455, dated 21st November 1903.
	Area notified in previous years	472,761	..	..	..	472,761	..	
	Total	472,761	739	1,025	..	473,786	740	
	Reserved lands not transferred to reserved forests during the year.							
	Srikolanu	233	..	..	(*e*) 233	..	..	No. 108, dated 10th March 1904.
	Area notified in previous years	4,450	..	..	(*b*) 126	4,324	..	
	Total	4,683	7	..	359	4,324	7	
	Reserved forests.							
Chingleput.	Area notified in previous years	136,788	214	..	..	136,788	214	
	Reserved lands not transferred to reserved forests during the year.							
	Area notified in previous years	24	..	..	..	24	..	
	Reserved forests.							
North Arcot.	Area notified in previous years	826,015	1,291	(*a*) 29	(*a*) 635	825,409	1,290	
	Reserved lands not transferred to reserved forests during the year.							
	Area notified in previous years	332	..	(*a*) 1	..	333	..	
	Reserved forests.							
South Arcot.	Area notified in previous years	424,650	663	..	..	424,650	663	
	Reserved lands not transferred to reserved forests during the year—Nil.							
	Reserved forests.							
North Salem.	Ubrani	..	..	11,940	..	11,940	..	No. 308, dated 28th July 1903.
	Vellakuttai extension A	..	..	469	..	469	..	No. 441, dated 9th November 1903.
	Area notified in previous years	520,293	..	..	(*a*) 58	520,235	..	
	Total	520,293	813	12,409	58	532,644	832	
	Reserved lands not transferred to reserved forests during the year.							
	Area notified in previous years	58,606	111	..	(*b*) 180	58,426	91	

(*a*) Revision of area. (*b*) Excluded at settlement. (*d*) Disafforested. (*e*) Initial notification cancelled.

District.	Name of forest.	Area on 1st July 1903. Acres.	Area on 1st July 1903. Equivalent in square miles.	Added during the year. Acres.	Excluded Acres.	Area on 30th June 1904. Acres.	Area on 30th June 1904. Equivalent in square miles.	Number and date of notification of addition or transfe
	Reserved forests.							
South Salem.	Tirumanur	..	..	4,344	..	4,344	..	No. 209, dated 12th May 1903.
	Sholappadi	..	..	3,494	..	3,494	..	No. 309, dated 27th July 1903.
	Kottopatti extension	..	..	(f) 13,384	..	13,384	..	No. 497, dated 16th December 1903.
	Area notified in previous years ..	444,929	..	..	..	444,929	..	
	Total ..	444,929	695	21,222	..	466,151	728	
	Reserved lands not transferred to reserved forests during the year.							
	Area notified in previous years ..	4,397	7	..	(b) 1,638	2,759	5	
	Reserved forests.							
Trichinopoly.	Manmalai extension	..	..	666	..	666	..	No. 405, dated 28th September 1903.
	Tachankurichi	..	..	2,416	..	2,416	..	No. 12, dated 23rd December 1903.
	Area notified in previous years ..	189,258	..	(a) 120	..	189,378	..	
	Total ..	189,258	296	3,202	..	192,460	301	
	Reserved lands not transferred to reserved forests during the year.							
	Area notified in previous years ..	9,318	15	..	(b) 223	9,095	14	
Tanjore.	*Reserved forests.*							
	Area notified in previous years ..	12,395	19	(a) 103	(a) 37	12,461	20	
	Reserved lands not transferred to reserved forests during the year—Nil.							
South Canara.	*Reserved forests.*							
	Area notified in previous years ..	423,475	662	..	..	423,475	662	
	Reserved lands not transferred to reserved forests during the year.							
	Bantamale	2,975	..	..	..	2,975	..	No. 287, dated 8th July 1903.
	Aranthakallu	797	..	..	..	797	..	No. 300, dated 17th July 1903.
	Yenekal	3,506	..	..	..	3,506	..	No. 312, dated 28th July 1903.
	Irde	1,713	..	..	..	1,713	..	No. 316, dated 5th August 1903.
	Dolpadi	1,022	..	..	..	1,022	..	
	Balpa	2,109	..	..	..	2,109	..	No. 340, dated 22nd August 1903.
	Bakudihola extension	..	..	5	..	5	..	No. 460, dated 19th November 1903.
	Mandekole do. ..	..	..	1	..	1	..	No. 461, dated 19th November 1903.
	Mundajekap	498	..	..	..	498	..	No. 500, dated 17th December 1903.
	Naravi extension No. I ..	..	..	19	..	19	..	No. 79, dated 19th February 1904.
	Do. do. ,, II ..	..	..	21	..	21	..	
	Do. do. ,, III ..	..	..	14	..	14	..	
	Do. do. ,, IV ..	..	..	16	..	16	..	No. 87, dated 26th February 1904.
	Tambattu extension	..	..	246	..	246	..	No. 102, dated 2nd March 1904.
	Ballimane do. No. II ..	..	..	89	..	89	..	No. 99, dated 5th March 1904.
	Enmuru	3,130	..	..	..	3,130	..	No. 186, dated 27th April 1904.
	Area notified in previous years ..	246,017	..	..	(a) 142 (c) 1,000	244,875	..	
	Total ..	261,767	409	411	1,142	261,036	408	

(a) Revision of area. (b) Excluded at settlement. (c) Abandoned.
(f) 48 acres added by rectification of area.

District.	Name of forest.	Area on 1st July 1903.– Acres.	Area on 1st July 1903.– Equivalent in square miles.	Added during the year. Acres.	Excluded. Acres.	Area on 30th June 1904. Acres.	Area on 30th June 1904. Equivalent in square miles.	Number and date of notification of addition or transfer.
	Reserved forests							
North Malabar.	Area notified in previous years ..	147,578	231	..	..	147,578	231	
	Reserved lands not transferred to reserved forests during the year.							
	Kottiyur block	..	..	13,715	..	13,715	..	No. 476, dated 7th December 1903.
	Area notified in previous years ..	2,492	..	..	..	2,492	..	
	Total ..	2,492	4	13,715	..	16,207	25	
	Reserved forests.							
	Area notified in previous years ..	139,839	218	..	..	139,839	218	
South Malabar.	*Reserved lands not transferred to reserved forests during the year.*							
	The Silent vally	17,280	..	(*a*)11,520	..	28,800	..	No. 246, dated 9th June 1904.
	Area notified in previous years ..	13,232	..	..	..	13,232	..	
	Total ..	30,512	48	11,520	..	42,032	66	
	Reserved forests.							
The Nilgiris.	Turachchibettu shola	..	..	57	..	57	..	No. 160, dated 18th April 1903.
	Pommanu reserve	..	..	47	..	47	..	
	Imbarahatti	..	..	2	..	2	..	No. 196, dated 7th May 1903.
	Sullikodu No. I	..	..	1		1	..	
	Addition to Dodabetta reserve block No. I.	..	..	54	..	54	..	
	Attukadu shola reserve	..	..	72	..	72	..	No. 28, dated 29th June 1903.
	Warbreccan reserve	..	..	18	..	18	..	
	Sinnattu shola reserve addition.	..	..	308	..	308	..	No. 282, dated 29th June 1903.
	Longwood reserve addition No. II	..	..	48	..	48	..	No. 290, dated 6th July 1903.
	Odasekadu reserve	..	..	47	..	47	..	
	Kallur reserve addition ..	..	..	151	..	151	..	
	Alageruhanni	..	..	22	..	22	..	
	Illithorai	..	..	18	..	18	..	
	Curzon valley block No. III ..	..	..	939	..	939	..	No. 311, dated 28th July 1903.
	Addition to Hill Grove	..	..	3	..	3	..	No. 342, dated 19th August 1903.
	Addition to Hill Clyffe	..	..	59	..	59	..	
	Koderu reserve addition No. I ..	..	..	36	..	36	..	No. 355, dated 4th September 1903.
	Sullikodu No. II	..	..	307	..	307	..	No. 378, dated 14th September 1903.
	Ullavanadmund shola addition No. I.	..	..	46	..	46	..	No. 401, dated 30th September 1903.
	Addition to Bettu reserve No. II.	..	..	135	..	135	..	No. 403, dated 30th September 1903.
	Addition to Konakarai slopes reserve.	..	..	157	..	157	..	
	Masikadavu	..	..	18	..	18	..	No. 412, dated 8th October 1903.
	Uppatti Shola reserve addition ..	..	..	15	..	15	..	No. 36, dated 12th January 1904.
	Madanad reserve addition ..	..	..	709	..	709	..	No. 58, dated 5th February 1904.
	Kodanad valley shola addition No. I.	..	..	75	..	75	..	No. 86, dated 24th February 1904.
	Area notified in previous years..	258,258	..	..	..	258,258	..	
	Total ..	258,258	403	3,344	..	261,602	408	
	Reserved lands not transferred to reserved forests during the year.							
	Kambatti	..	..	736	..	736	..	No. 400, dated 6th October 1903.
	Cherambadi No. IV	..	..	8	..	8	..	No. 409, dated 5th October 1903.
	Ammankaval addition III ..	..	..	3	..	3	..	
	Area notified in previous years ..	57,318	..	..	(*b*) 9	57,309	..	
	Total ..	57,318	..	747	9	58,056	91	

(*a*) Revision of area.

(*b*) Excluded at a settlement.

District.	Name of forest.	Area on 1st July 1903. Acres.	Area on 1st July 1903. Equivalent in square miles.	Added during the year. Acres.	Excluded. Acres.	Area on 30th June 1904. Acres.	Area on 30th June 1904. Equivalent in square miles.	Number and date of notification of addition or transfer.
	Reserved forests.							
North Coimbatore.	Nagalur	..	..	1,040	..	1,040.	..	No. 456, dated 19th November 1903.
	Barabetta	..	..	3,040	..	3,040	..	No. 26, dated 8th January 1904.
	Ullepalayam	..	..	3,944	..	3,944	..	
	Hanur	..	..	20,928	..	20,928	..	No. 118, dated 14th March 1904.
	Area notified in previous years..	853,264	..	..	..	853,264	..	
	Total ..	853,264	1,333	28,952	..	882,216	1,378	
	Reserved lands not transferred to reserved forests during the year.							
	Area notified in previous years..	173,928	..	..	(*b*) 1,288	172,640	270	
South Coimbatore.	*Reserved forest.*							
	Area notified in previous years..	423,657	662	..	..	423,657	662	
	Reserved lands not transferred to reserved forests—Nil.							
Madura.	*Reserved forests.*							
	Koviladi	..	..	380	..	380	..	No. 317, dated 5th August 1903.
	Area notified in previous years..	390,042	..	..	(*d*) 180	389,862	..	No. 363, dated 9th September 1903.
	Total ..	390,042	609	380	180	390,242	610	
	Reserved lands not transferred to reserved forests during the year.							
	Area notified in previous years..	6,096	10	..	(*b*) 236	5,860	9	
Tinnevelly.	*Reserved forests.*							
	Nadugani	..	..	4	..	4	..	No. 487, dated 12th December 1903.
	Valliyur reserve	..	..	605	..	605	..	No. 51, dated 28th January 1904.
	Area notified in previous years..	278,896	..	..	..	278,896	..	
	Total ..	278,896	436	609	..	279,505	437	
	Reserved lands not transferred to reserved forests during the year.							
	Vaiyur tank block	..	..	158	..	158	..	No. 225, dated 27th May 1904.
	Ladan tottam	..	..	10	..	10	..	No. 236, dated 31st May 1904.
	Jadikai ,, ...	..	..	3	..	3	..	
	Kulisalkidai	..	..	1	..	1	..	
	Area notified in previous years..	281	..	..	..	281	..	
	Total ..	281	..	172	..	453	..	

(*b*) Excluded at settlement.

(*d*) Portion of Mulayar reserve disafforested.

FORM

Forest Department,

STATEMENT showing the Progress made in, and the Expenditure

Name of forest district.	Area already settled at commencement of year.	Areas finally settled during the year.					
		Number and date of Government Order according final sanction to the settlement.	Name of forest settled.	Area.	Expenditure incurred during the year on areas finally settled.		Entire cost per square mile of areas finally settled during the year.
					In forest accounts.	In other accounts.	
1	2	3	4	5	6	7	8
	SQ. MLS.			SQ. MLS.		RS.	RS.
Ganjám ..	536	No. 649, dated 29th June 1903.	Mohoghora	2	..	..	..
		No. 886, dated 24th August 1903.	Gogodo extension	·16	..		
			Total ..	2·16	..	..	..
Vizagapatam.	298	....	....	..	..	..	..
Gódávari ..	952	....	....	..	..	..	..
Kistna ..	957	No. 937, dated 10th September 1903.	Venkatayapalem extension No. 8.	3·23	..	4,707	107
		No. 966, dated 23rd September 1903.	Ipurpalem	7·23	..		
		No. 1015, dated 5th October 1903.	Govindapuram	2·84	..		
		No. 1075, dated 19th October 1903.	Pillutla	4·44	..		
		No. 1297, dated 16th December 1903.	Ramannapeta	0·68	..		
		No. 32, dated 11th January 1904.	Muppalla	4·67	..		
		No. 78, dated 21st January 1904.	Yelachitladibba extension No. I.	2·23	..		
		No. 436, dated 27th April 1904.	Venkatayapalem extension No. 5.	5·99	..		
		....	Interu	5·58	..		
		....	Sorlagondi extension	7·19	..		
			Total ..	44·08	..	4,707	..
Kurnool ..	2,368 * — 1½ † — 3	No. 676, dated 4th July 1903.	Kottaburuzu	2	..	1,426	16
		No. 726, dated 17th July 1903.	Eastern Nallamalai block No. 14.	7¼	..		
		No. 822, dated 11th August 1903.	Yadavada	2	..		
		No. 857, dated 18th August 1903.	Eastern Nallamalai block No. 12.	6	..		
		No. 921, dated 4th September 1903.	Eastern Nallamalai block No. 11.	7¼	..		
		No. 946, dated 14th September 1903.	Pattikonda	6¼	..		
		No. 1035, dated 8th October 1903.	Southern Veligonda extension.	11	23		

Northern

* Due to computation of areas of

† Disafforested during the year.

No. 45.

Madras Presidency.

incurred on, Forest Settlements during 1903–1904.

Areas undergoing settlement.						
At commencement of the year.		Taken in hand during the year.		Expenditure incurred during the year on areas undergoing settlement.		Estimate of areas in which settlement operations have not yet commenced.
Name of tract.	Area.	Name of tract.	Area.	In forest accounts.	In other accounts.	
9	10	11	12	13	14	15
Circle.						
	SQ. MLS.		SQ. MLS.	RS.	RS.	
....	..	Pondakkol	60	..	1,734	..
Total ..	..	Total ..	..	..	1,734	..
....	..	....	..	..	..	47
Coringa extension	75	Busipakalu enclosure ..	·46	812	..	..
		Lakkavaram addition	·77	..	..	..
		Total ..	1·23	812	..	..
Jaggayyapeta extension No. 4.	0·14	....	..	..	15	..
Total ..	0·14	Total ..	..	..	15	..
Gani	88	Ramavaram	4	1,161		
Owk	49¼	Yerragudi	6	230		
Chinaganipalle	2	Yemboyi	5	527		
Waddamanu	2	Owk extension	1	..	2,706	..
Lanjabanda extension ..	6	Rangapuram	11	..		
Baddivid extension	¾	....	..	72		
Madhavaram	10	....	..	..		

Nallamalai hills by India Survey Party.

Statement showing the Progress made in, and the Expenditure

Name of forest district.	Area already settled at commencement of year.	Areas finally settled during the year.					
		Number and date of Government Order according final sanction to the settlement.	Name of forest settled.	Area.	Expenditure incurred during the year on areas finally settled.		Entire cost per square mile of areas finally settled during the year.
					In forest accounts.	In other accounts.	
1	2	3	4	5	6	7	8
							Northern
	SQ. MLS.			SQ. MLS.	RS.	RS.	
Kurnool—*cont.*	2,368 — 1½ — 3	No. 1154, dated 17th November 1903.	Panem	37	..	..	16
		No. 1179, dated 21st November 1903.	Eastern Nallamalai block No. 9.	4	..		
		No. 1263, dated 9th December 1903.	Eastern Nallamalai block Nos. VI (*a*), (*b*) and (*c*).	10¾	..		
		No. 38, dated 12th January 1904.	Tuggali No. II	3	..		
		No. 530, dated 25th May 1904.	Tokapalle extension	1	35		
			Total ..	97½	58 + *565 = 623	1,426	..
Bellary ..	573	....	....	..	..	..	..
			Total ..	..	..	..	..
Anantapur ..	510	....	....	..	..	..	..
							Central
Cuddapah ..	2,216 † —3	....	....	..	..	..	..
			Total ..	..	..	..	..
Nellore ..	739	No. 764, dated 24th July 1903.	Varini block C, extension A and B.	·61	..	..	..
		No. 823, dated 11th August 1903.	Nandanavanam block A extension.	·01	..	..	..
		No. 1153, dated 17th November 1903.	Lebur blocks I and II ..	·41	..	..	..
		No. 1178, dated 21st November 1903.	Kavali tope	·35	..	..	..
		No. 1178, dated 21st November 1903.	Musunur tope	.21	..	..	..
		No. 603, dated 9th June 1904.	Mungamur tope	·14	..	..	..
			Total ..	1·73	5	..	..
Chingleput.	214	....	....	..	..	..	..
North Arcot	1,290	.. .	....	..	..	..	..
South Arcot.	663	....	....	..	..	..	..
North Salem.	813	No. 769, dated 28th July 1903.	Ubrani	18¾	..	..	..
		No. 1111, dated 9th November 1903.	Vellakuttai extension A ..	¾	..	..	..

* Amount spent for reserves notified in previous years.
† Disafforested during the year.

incurred on, Forest Settlements during 1903–1904—*cont.*

Areas undergoing settlement.						Estimate of areas in which settlement operations have not yet commenced.
At commencement of the year.		Taken in hand during the year.		Expenditure incurred during the year on areas undergoing settlement.		
Name of tract.	Area.	Name of tract.	Area.	In forest accounts.	In other accounts.	
9	10	11	12	13	14	15
Circle—cont.						
	SQ. MLS.		SQ. MLS.	RS.	RS.	
....	..	....	..	..	..	
Total ..	158	Total ..	27	1,990	2,706	
Haladahalli, A and B	·40	1. Halasagaram	8·81	..	1,365	
		2. Tonashigiri	1·99	..		
		3. Sheliyappanahalli ..	6·62	..		
		4. Gudekota extension ..	2·58	..		
		5. Hosahalli	5·70	..		
		6. Jarimali	5·42	..		
		7. Choranur	8·37	..		
		8. Jammanaobanahalli ..	12·87	..		
Total ..	·40	Total ..	52·36	..	1,365	
....	..	....	..	..	..	200
Circle.						
Idupalapaya extension ..	16	....	..	..	74	
Ganganapalli extension ..	52	....	..	..		
Sangasamudram	6	....	..	..		
Seshachellam extension A ..	60	....	..	..		
Papepalle, East	7	....	..	..		
Do. West	6	....	..	..		
Total ..	147	Total ..	..	..	74	
Anamadugu Chinnayapalem tope.	4·38	....	..	..	664	
Lingamgunta tope	1·35	....	..	..		
Kadanutala tope	·46	....	..	..		
Kolladinne tope	·42	....	..	..		
....	..	....	..	..		
....	..	....	..	..		
Total ..	6·61	Total ..	..	..	664	
Walajabad tope	..	....	..	..	..	
....	·04	....	..	..	..	
Whiteside garden	·01	....	..	..	..	
Mangalam extension	4¼	....	..	..	887	
Hudaidurgam	45½	....	..	..		
Urigam	15	....	..	..		
Kempakarai	11	....	..	..		
Hulibanda	14¾	....	..	..		
Total ..	91	Total ..	..	..	887	

Statement showing the Progress made in, and the Expenditure

Name of forest district.	Area already settled at commencement of year.	Areas finally settled during the year.					
		Number and date of Government Order according final sanction to the settlement.	Name of forest settled.	Area.	Expenditure incurred during the year on areas finally settled.		Entire cost per square mile of areas finally settled during the year.
					In forest accounts.	In other accounts.	
1	2	3	4	5	6	7	8
							Central
	SQ. MLS.			SQ. MLS.			
South Salem.	702	No. 766, dated 27th July 1903.	Sholappadi	5·46	..	..	..
		No. 1298, dated 16th December 1903.	Kottapatti extension	20·92	..	..	..
			Total ..	26·38	..	..	..
Trichinopoly.	296	No. 988, dated 28th August 1903.	Manmalai reserved forest extension.	1·04	..	..	..
		No. 1334, dated 23rd December 1903.	Tachankurichi	3·77	..	..	..
		No. 488, dated 13th May 1904.	Nakkasalem	4·29	..	..	..
			Total ..	9·10	..	..	..
Tanjore ...	20	....	....	..	..	..	..
							Southern
South Canara.	662	....	....	..	..	..	..
North Malabar	231	....	....	..	..	..	..
South Malabar.	218	....	....	..	..	..	..
				acres.			
The Nilgiris.	403	No. 648, Rev., dated 29th June 1903.	Attukadu shola reserve ..	72	..	..	..
		Do.	Warbreccan	18	..	..	..
		No. 647, Rev., dated 29th June 1903.	Sinnattu shola reserve addition	308	..	..	..
		No. 683, Rev., dated 6th July 1903.	Longwood reserve addition No. II.	48	..	..	..
		Do.	Odasekadu	47	..	..	..
		Do.	Kallar reserve addition ..	151	..	..	..
		Do.	Alageruhanni	22	..	..	..
		Do.	Illithorai	18	..	..	..
		No. 768, Rev., dated 28th July 1903.	Curzon valley block No. III ..	939	..	..	..
		No. 865, Rev., dated 19th August 1903.	Addition to Hill Grove ..	3	..	..	..
		Do.	Do. to Clyffe	59	..	..	..
		No. 920, Rev., dated 4th September 1903.	Koderu reserve addition No. I.	36	..	..	..

incurred on, Forest Settlements during 1903-1904—*cont.*

Areas undergoing settlement.						Estimate of areas in which settlement operations have not yet commenced.
At commencement of the year.		Taken in hand during the year.		Expenditure incurred during the year on areas undergoing settlement.		
Name of tract.	Area.	Name of tract.	Area.	In forest accounts.	In other accounts.	
9	10	11	12	13	14	15
Circle—cont.						
	SQ. MLS.		SQ. MLS.	RS. A. P.	RS. A. P.	
Nagur extension	4·31	....	..	..	887 2 9	
....	..	....	..	..		
Total ..	4·31	Total ..	..	..	887 2 9	
Mogavanur	1·78	....	..	..		
Velur	5·06	....	..	..	1,774 5 6	
Sengattupatti extension ..	2·53	....	..	..		
Total ..	9·37	Total ..	..	..	1,774 5 6	
....	..	....	..	..	..	
Circle.						
Hale Someshwar	3	Bakudihola extension		..		298
New Someshwar	4	Tombattu extension		..		
Kalanjimali	5	Ballimane extension No. II ..		..		
Karadka	5	Naravi extension No. I ..	(a)	..		
Kunthur	6	,, ,, ,, II ..		..		
Virakhamba	3	,, ,, ,, III ..		..		
Kilarmale	15	,, ,, ,, IV ..		..		
Narimogar	2	Mundajikap	1	..		
Vorwadi	1	Bantamale	5	..		
Dondalarabi	2	Yenekal	5	..		
Kunthur extension	..	Irde	3	..	1,774 5 6	
Mandekole	12	Dolpadi	2	..		
Aivarnad	3	Enmuru	5	..		
Adur	8	Balpa	3	..		
Kaniyarmale	5	Aranthakallu	1	..		
Kallapattamale	2	Mandekole extension	..	..		
Ballimane extension	..	....	..	..		
Kodialmale	1	....	..	..		
Kilarmale extension	..	....	..	..		
Subramania	11	....	..	..		
Paikadamale	2	....	..	..		
Total ..	90	Total ..	25	..	1,774 5 6	
Ladysmith	3·86	Kottiyur	21·43	..	1,774 5 6	
....	..	The Silent valley	45	..	..	
	acres.					
Denad reserve addition No. I.	125	Kambatti block	736 acres or 1 sq. mile.	..		
Kodanad valley shola addition No. II.	170	....	..	..		
Paravakadavu	679	....	..	..		
Mavada reserve addition No. II.	90	....	..	..		
Santhi reserve	16	....	..	..	1,774 5 6	
Aduthorai reserve addition No. I.	35	....	..	..		

(a) Below one square mile.

Statement showing the Progress made in, and the Expenditure

Name of forest district.	Area already settled at commencement of year.	Areas finally settled during the year.					
		Number and date of Government Order according final sanction to the settlement.	Name of forest settled.	Area.	Expenditure incurred during the year on areas finally settled.		Entire cost per square mile of areas finally settled during the year.
					In forest accounts.	In other accounts.	
1	2	3	4	5	6	7	8
							Southern
The Nilgiris —*cont.*	SQ. MLS. 403	No. 945, Rev., dated 14th September 1903.	Sullikodu No. II	ACS. 307	..	..	..
		No. 996, Rev., dated 30th September 1903.	Ullavanadmund shola addition No. I.	46	..	..	..
		No. 997, Rev., dated 30th September 1903.	Addition to Konakarai slopes reserve.	157	..	..	..
		Do.	Addition to Bettu reserve No. II.	135	..	..	..
		No. 1034, Rev., dated 8th October 1903.	Masikadavu	18	..	..	..
		No. 40, Rev., dated 12th January 1904.	Uppatti shola reserve addition.	15	..	..	..
		No. 149, Rev., dated 5th February 1904.	Madanad reserve addition ..	709	..	..	..
		No. 222, Rev., dated 24th February 1904.	Kodanad valley shola addition No. I.	75	..	..	..
		No. 470, Rev., dated 6th May 1904.	Cherambadi reserve addition No. II.	10	..	..	..
		Do.	Cherambadi reserve addition No. III.	10	..	..	..
		Do.	Cherambadi reserve addition No. IV.	8	..	..	..
		Do.	Ammankaval reserve addition No. III.	3	..	..	..
		No. 68, Rev., dated 29th June 1904.	Neyyatti addition No. I ..	43	..	..	..
			Kodamalai reserve No. II ..	18	..	..	..
			Beragani	1,053	..	..	..
			Lady Canning's seat reserve ..	133	..	..	..
			Aduthorai reserve addition No. II.	58	..	..	..
			Total ..	4,519 acres or 7·06 sq. miles.	..	..	..
North Coimbatore.	1,333	No. 1167, dated 19th November 1903.	Nagalur	SQ. MLS. 1·63	..	..	..
		No. 28, dated 8th January 1904.	Barebetta	4·75	..	..	..
		Do.	Ullepalaiyam	6·16	..	..	..
		No. 302, dated 14th March 1904.	Hanur	32·70	..	..	..
			Total ..	45·24	..	..	..
South Coimbatore.	* 662	....	....	..	..	..	..
Madura ..	609	No. 798, dated 5th August 1903.	Koviladi block	·59	..	..	..
			Total ..	·59	..	..	..
Tinnevelly ..	436	G.O., No. 1280, Rev., dated 12th December 1903.	Nadugani block	0·006	..	..	..
		G.O., No. 121, Rev., dated 28th January 1904.	Valliyur block	0·945			
			Total ..	0·951	..	..	..

* Includes Walayar reserved forests (4·71 square miles) transferred from South Malabar district in 1901–1902.

Incurred on, Forest Settlements during 1903–1904—*cont.*

Areas undergoing settlement.						Estimate of areas in which settlement operations have not yet commenced.
At commencement of the year.		Taken in hand during the year.		Expenditure incurred during the year on areas undergoing settlement.		
Name of tract.	Area.	Name of tract.	Area.	In forest accounts.	In other accounts.	
9	10	11	12	13	14	15
Circle—cont.						
	SQ. MLS.		SQ. MLS.	RS. A. P.	RS. A. P.	SQ. MLS.
Total ..	2	Total ..	1	..	..	
Madesishwara Malai	246	....	..	..		20
Ennamangalam	16	....	..	..	1,774 5 6	
....	..	....	..	..		
....	..	....	..	..		
Total ..	262	Total ..	..	..	1,774 5 6	
....	..	....	..	..		
Gundar valley extension block.	9·16	....	..	..	1,774 5 6	52·16
Total ..	9·16	....	..	..	1,774 5 6	
Naranapuram block	0·439	Vaiyur tank block	0·247	..	1,774 5 6	
		Ladantottam				
		Jadikaitottam	0·021			
		Kulisalkodai				
Total ..	0·439	Total ..	0·268	..	1,774 5 6	

* No expenditure was incurred on the settlement of the Nadugani, Vaiyur, Valliyur or Ladantottam, Jadikaitottam Kulisalkodai blocks, all these small blocks being settled by local Divisional officers. The whole amount shown as expenditure is therefore to be debited to the settlement of the Naranapuram block by the Forest Settlement-officer. The block is not yet finally notified.

Form No. 46.

Forest Department, Madras Presidency.

Record of Demarcation and Maintenance of Boundaries.

District.	Length of boundaries artificially demarcated during the year.	Length of previously existing boundaries repaired.	Length of previously existing boundaries not repaired.	Total length of artificially marked boundaries at the close of the year.	Length of boundaries still to be demarcated at close of year.	Length of natural boundaries not requiring artificial marks.	Total length of boundaries at the close of the year.	Expenditure on demarcation during the year.	
								On new work.	On repairs.
1	2	3	4	5	6	7	8	9	10
Northern Circle.	MILES.	MILES.	MILES.	MILES.	MILES.	MILES.	MILES.	RS.	RS.
Ganjám (*a*)	35	68	1,050	1,153	4	80	1,237	329	273
Vizagapatam	..	255	138	393	107	..	500	..	4
Gódávari	67 (*b*) 21	1,061	82	1,231	44	273	1,548	438 (*c*)123 (*d*)638	..
Kistna (*e*)	55	18	1,519	1,592	..	..	1,592	673	115
Kurnool	164	(*f*) 355	1,160	1,679	343	165	2,187	(*d*)863 (*g*)1,440	(*g*) 28
Bellary	33	62	1,599	1,694	53	..	1,747	(*g*) 379	125
Anantapur	..	20	1,202	1,222	..	..	1,222	121	280
Total, Northern Circle ..	375	1,889	6,750	8,964	551	518	10,033	5,004	825
Central Circle.									
Cuddapah	16	..	3,476	3,492	18	..	3,510	(*g*) 107	..
Nellore	87	10 (*f*)1,900	..	1,997	46	86	2,129	831	45
Chingleput	..	660	264	924	..	..	924	..	100 (*d*) 489
North Arcot	66	2,227	134	2,427	..	44	2,471	278	75
South Arcot	18	344	1,863	2,225	137	..	2,362	(*g*) 540 (*h*) 337 (*i*) 18	179
North Salem (*a*)	71	1,068	160	1,299	72	39	1,410	355	120
South Salem	..	105 (*f*)894	214	(*f*)1,213	20	5	1,238	..	143
Trichinopoly	102	292	659	1,053	197	26	1,276	1,837	159
Tanjore	..	9	70	79	..	..	79	..	25
Total, Central Circle ..	360	7,509	6,840	14,709	490	200	15,399	4,303	1,335
Southern Circle.									
South Canara	26	3	2,748	2,777	26	110	2,913	(*g*) 1,942	24
North Malabar	58	39	542	639	472	26	1,137	1,024	549
South do.	..	..	168	168	27	112	307	..	2
The Nilgiris	90	75	1,315	1,480	93	253	1,826	774	1,193
North Coimbatore (*a*)	16	54	934	1,004	..	222	1,226	422	246
South do.	..	..	515	515	2	77	594	..	..
Madura (*a*)	79	5 (*f*)373	1,082	1,539	34	140	1,713	838 (*g*)1,238	57
Tinnevelly	1	..	556	557	27	17	601	417	37
Total, Southern Circle ..	270	549	7,860	8,679	681	957	10,317	6,655	2,108
Grand Total ..	1,005	9,897	21,450	32,352	1,722	1,675	35,749	15,962	4,268

N.B.—Boundaries include, besides the outer perimeter, the limits of enclosures of private or other lands within the forests, but not the limits of sub-divisions, such as blocks, compartments, coupes.

(*a*) The variation between the total of the figures in columns 3 and 4 and the figure in column 5 of the previous year's return is due to the adoption of revised figures.

(*b*) Rectification of existing boundaries and explains the variation between the total of the figures in columns 3 and 4, and the figure in column 5 of the previous year's return.

(*c*) Cost of rectification.

(*d*) Establishment charges.

(*e*) The length of compartment and coupe lines wrongly included in last year's return has been excluded.

(*f*) Cleared by the subordinate Forest establishment free of cost.

(*g*) Includes cost of cairns.

(*h*) Cost of cairns to eleven enclosures in Tenmalais.

(*i*) Cost of demarcation of topes.

(*j*) The discrepancy between this figure and that in column 5 of the previous year's return is due to the addition of 45 miles of boundaries of forests finally notified during the year.

FORM No. 47.

Forest Department, Madras Presidency.

STATEMENT of Forest Areas surveyed and under survey during the year 1903–1904.

Districts.	Areas surveyed and under survey during the year 1903–1904.															
	Special Surveys—Maps on 4-inch scale or over by Survey of India Department or Madras Survey.								Ordinary, included in district surveys.							
	With interior details.					Boundary surveys.			With interior details.					Boundary surveys.		
	With details of growing stock.		Without details of growing stock.		Total cost.				With details of growing stock.		Without details of growing stock.		Total cost.			
	Previous.	Of year.	Previous.	Of year.		Previous.	Of year.	Total cost.	Previous.	Of year.	Previous.	Of year.		Previous.	Of year.	Total cost.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
Northern Circle.	S. MLS.		S. MLS.	S. MLS.	RS.	L. MLS.	L. MLS.	RS.			S. MLS.			L. MLS.		
Ganjám	..	..	..	..	..	284	106	1,334	..	..	..	..	..	..	..	..
Vizagapatam	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Gódávari	..	..	..	..	192	19,677	152	100	795	..	..	..	..	..	..	..	..
Kistna	..	..	..	..	77	3,540	..	27	341	..	..	52	..	..	118	..	..
Kurnool	..	..	* 2,362	255	11,717	1,015	..	..	..	..	..	..	..	..	..	..	..
Bellary	..	..	..	..	..	..	..	..	..	..	573	..	..	..	..	..
Anantapur	..	..	168	..	..	..	..	..	..	..	188	..	..	..	..	..
Total, Northern Circle	..	..	2,530	524	† 34,934	1,451	233	2,470	..	..	813	..	..	118	..	..
Central Circle.																
Cuddapah	..	..	‡ 2,213	..	..	..	..	..	..	..	..	..	..	..	..	..
Nellore	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Chingleput	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
North Arcot	..	..	1,193	..	..	..	..	..	..	..	..	..	..	..	..	..
South „	..	..	217	..	..	82	..	..	..	..	440	..	..	..	..	..
North Salem	..	..	808	..	..	..	..	..	..	..	21	..	..	..	..	..
South „	..	..	702	..	..	..	..	..	..	..	..	..	..	26	..	..
Trichinopoly	..	..	66	..	..	9	..	..	..	..	..	..	..	301 S.M.	..	..
Tanjore	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total, Central Circle	..	..	5,199	..	..	91	..	..	..	..	461	..	..	26 301 S.M.	..	..
Southern Circle.																
South Canara	..	..	* 749	177	14,750	554	11	470	..	..	..	..	..	..	..	..
North Malabar	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
South „	1	..	33	..	..	..	..	..	..	..	1	..	..	..	..	..
The Nilgiris	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
North Coimbatore	..	..	§ 1,276	‖ 102	4,839	299	12	96	..	..	..	..	..	..	..	..
South „	..	..	657	..	..	..	..	..	..	..	5	..	..	..	..	..
Madura	..	..	610	..	..	..	..	..	..	..	..	..	..	..	..	..
Tinnevelly	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total, Southern Circle	1	..	3,325	279	† 19,589	853	23	566	..	..	6	..	..	..	..	..
Grand Total, Presidency.	1	..	11,054	803	44,523	2,395	256	3,036	..	..	1,280	..	..	144 301 S.M.	..	..

Note.—The Collectors of Nellore, Chingleput, The Nilgiris and Tinnevelly have submitted *nil* returns.

* Presumably includes reserved lands.

† Excludes cost of triangulation.

‡ The Collector's figure is 2,325 which is evidently wrong.

§ The Collector's figure is 1,887 which is evidently incorrect.

‖ Maps for only 6 square miles were published during the year.

Statement of Forest Areas surveyed and under survey during the year 1903-1904—*cont.*

District.	Areas surveyed and under survey during the year 1903-1904—*cont.*								Areas remaining to be taken under survey.	Total reserved forest area at end of year, as per Form No. 44.	Cost.		
	Chain and compass or other surveys by local officers.												
	With interior details.					Boundary surveys.							
	4-inch or over.		Under 4-inch.										
	Previous.	Of year.	Previous.	Of year.	Total cost.	Previous.	Of year.	Total cost.			Previous.	Of year.	Entire cost of all surveys to end of the year.
	18	19	20	21	22	23	24	25	26	27	28	29	30
Northern Circle.	S. MLS.	S. MLS.	S. MLS	S. MLS.	RS.	L. MLS.	L. MLS.	RS.	S. MLS.	S. MLS.	RS.	RS.	RS.
Ganjám	53	..	..	..	..	1,018	203	625	..	538	14,487	1,959	16,446
Vizagapatam	29	..	..	..	..	..	..	..	..	298	1,700	450	2,150
Gódávari	1	..	18	8	6	423	117	796 + 753	455	952	5,743	22,027	27,770
Kistna	..	85	..	..	89 656	..	..	..	..	982	15,723	4,626	20,349
Kurnool	5	..	..	..	..	126	..	..	54	2,463	1,31,982	11,717 + 1,265	1,44,964
Bellary	..	..	..	..	..	..	..	..	..	573	961	370	1,331
Anantapur	154	..	..	..	..	..	..	..	..	510	369	..	369
Total, Northern Circle ..	242	85	18	8	751	1,567	320	1,421	509	6,316	1,70,965	42,414	2,13,379
Central Circle.													
Cuddapah	..	..	..	..	..	..	..	..	..	2,213	1,08,212	360	1,08,572
Nellore	..	..	..	..	..	..	..	..	..	740	1,248	292	1,540
Chingleput	..	..	..	..	..	..	..	..	..	214	476	325	801
North Arcot	97	..	..	..	..	..	..	..	..	1,290	17,343	249	17,592
South ,, ...	6	..	..	..	..	..	..	..	..	663	9,121	260	9,141
North Salem	..	..	..	..	..	3	..	..	3	832	17,682	1,070	18,752
South ,, ...	..	..	..	..	..	5	..	..	26	728	17,060	939	17,999
Trichinopoly	1	..	..	..	..	100	8	360	193	301	25,360	360	25,720
Tanjore	20	..	..	..	..	..	..	..	..	20	..	..	..
Total, Central Circle ..	124	..	..	..	..	108	8	360	222	7,001	1,96,502	3,855	2,00,357
Southern Circle.													
South Canara	..	..	..	..	..	778	101	824	144	662	28,000	16,044	44,044
North Malabar	..	..	..	..	..	37	..	..	231	231	1,123	428	1,551
South ,, ...	..	..	..	..	..	183	..	..	183	218	1,647	118	1,103
The Nilgiris	..	..	..	..	..	..	..	..	..	408	386	373	759
North Coimbatore ..	..	..	..	..	..	..	..	..	..	1,378	77,300	4,935 + 296	82,531
South ,, ..	..	..	..	..	..	..	..	..	..	662	2,078	2,181	4,259
Madura	..	..	..	..	..	..	..	..	..	610	79	326	405
Tinnevelly	..	..	..	..	..	..	..	..	..	437	483	360	843
Total, Southern Circle ..	..	..	..	..	..	998	101	824	558	4,606	1,11,096	25,061	1,36,157
Grand Total, Presidency.	366	85	18	8	751	2,673	429	2,605	1,289	17,923	4,78,563	71,330	5,49,893

ANNUAL FORM No. 48.

Forest Department, Madras Presidency.

PROGRESS made in working-plans during 1903–1904.

District.	Areas for which working-plans have been completed and approved by the Board.		Areas for which working-plans are being compiled or have been compiled but not sanctioned.		Areas for which working-plans have still to be taken in hand.	Total forest area as in Form No. 44.	Entire cost per square mile of working-plans completed. §	Remarks.
	At commencement of year.	During year.	At commencement of year.	Taken in hand during year.				
1	2	3	4	5	6	7	8	9
Northern Circle.	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.	RS.	
Ganjám	17	281	..	59	241	598	223	
Vizagapatam	* 22	122	..	119	82	345	..	
Gódávari	400	..	* 59	† 235	334	1,028	294	
Kistna	8	..	32	..	961	1,001	..	
Kurnool	158	75	67	212	2,137	2,649	10	
Bellary	12	..	204	36	436	688	..	
Anantapur	..	230	..	203	77	510	484	
Total ..	617	708	362	864	4,268	6,819	1,011	
Central Circle.								
Cuddapah	..	..	‖ 3	..	2,357	2,360	78	
Nellore	* 212	..	* 97	349	89	747	67	
Chingleput	..	..	110	104	..	214	..	
North Arcot	* 406	112	705	67	..	1,290	548	
South Arcot	321	..	194	..	148	663	..	
(North) Salem	93	159	293	378	..	923	..	
(South) Salem	291	36	213	8	185	733	98 ‡ 890	
Trichinopoly	1	..	37	..	277	315	37	
Tanjore	4	..	5	..	11	20	..	
Total ..	1,328	307	1,657	906	3,067	7,265	828 890	
Southern Circle.								
South Canara	662	..	..	..	408	1,070	..	
North Malabar	* 178	..	..	..	78	256	35	
South Malabar	34	..	..	..	250	284	1	
The Nilgiris	16	..	..	..	483	499	..	
North Coimbatore ..	375	48	..	..	1,225	1,648	..	
South Coimbatore ..	234	..	..	..	428	662	..	
Madura	356	..	..	..	263	619	..	
Tinnevelly	* 231	9	..	..	197	437	..	
Total ..	2,086	57	..	..	3,332	5,475	36	
Grand Total ..	4,031	1,072	2,019	1,770	10,667	19,559	2,765	

* Revised figure reported by the Collector.
† Reconnaissance approved by the Conservator for 183 square miles.
‡ Pay of the officer and his peon for the period during which the officer was engaged in framing the plan.
§ The figures in this column represent the total expenditure incurred during the year under A-VIII (*d*).
‖ This figure was shown in column 2 of last year's return by mistake.

ANNUAL

Forest Department,

COMMUNICATIONS

District.	New works undertaken during the year 1903–1904.					
	Buildings.		Roads and paths.			Total expenditure on new work.
	Description of building.	Expenditure incurred.	Road or path and object of the same.	Length of road or path.	Expenditure incurred.	
1	2	3	4	5	6	7
						Northern
Direction ..	....	RS. ..	....	MLS. ..	RS. ..	RS. ..
Ganjám ..	(*a*) Head-quarter houses ..	1,827	(*b*) Bridle-paths	36	174	..
	(*b*) Rest-houses	333				
	(*c*) Houses for subordinate establishments	68				
	Total, Ganjám ..	2,228	Total ..	36	174	2,402
Vizagapatam.	(*c*) Houses for subordinate establishments	1,341	....	..	..	..
	Total, Vizagapatam ..	1,341	Total ..	..	..	1,341
Gódávari ..	(*b*) Rest-houses	455	(*a*) Cart-roads	6	1,566	
	(*c*) Houses for subordinate establishments	555	(*c*) Others	2	658	
	Total, Gódávari ..	1,010	Total ..	8	2,224	3,234
Kistna ..	(*a*) Head-quarter houses ..	42	(*a*) Cart-roads	9	133	
	(*b*) Rest-houses	119				
	(*c*) Houses for subordinate establishments	195				
	Total, Kistna ..	356	Total ..	9	133	489
Kurnool ..	(*b*) Rest-houses	1,446	(*a*) Cart-roads	..	1,849	
	(*c*) Houses for subordinate establishments	261				
	Total, Kurnool ..	1,707	Total ..	..	1,849	3,556
Bellary ..	(*a*) Head-quarter houses ..	23	(*a*) Cart-roads	10	239	
	(*c*) Houses for subordinate establishments	858				
	Total, Bellary ..	881	Total ..	10	289	1,170

FORM No. 49.

Madras Presidency.

and Buildings.

Repairs executed during the year 1903–1904.					
Buildings.		Roads and paths.			Total expended on repairs.
Nature of repairs.	Expenditure incurred.	Nature of repairs.	Length repaired.	Expenditure incurred.	
8	9	10	11	12	13
Circle.					
	RS.		MLS.	RS.	RS.
(*a*) Head-quarter houses	63	....	...	..	63
(*a*) Head-quarter houses	60	(*a*) Cart-roads	..	130	1,583
(*b*) Rest-houses	1,217	Add A-VII (*c*) ..	..	..	25
(*c*) Houses for subordinate establishments	176				
Total ..	1,453	Total ..	..	130	1,608
(*b*) Rest-houses	252	(*a*) Cart-roads	..	57	..
		(*e*) Others	..	35	..
			..	92	419
(*c*) Houses for subordinate establishments	75	Add A-VII (*c*) ..	..	..	6
Total ..	327	Total ..	..	92	425
(*b*) Rest-houses	229	(*a*) Cart-roads	9	345	..
(*c*) Houses for subordinate establishments	73	(*b*) Bridle-paths	1	40	..
Pay of watchers	1,519		10	385	2,206
		Add A-VII (*c*) ..	..	..	5,219
Total ..	1,821	Total ..	10	385	7,425
(*b*) Rest-houses	643	(*a*) Cart-roads	9	138	1,488
(*c*) Houses for subordinate establishments	373	Add A-VII (*c*) ..	..	..	516
	1,016				
Pay of watchers	334				
Total ..	1,350	Total ..	9	138	2,004
(*a*) Head-quarter houses	152	(*a*) Cart-roads	..	1,915	..
(*b*) Rest-houses	817				
(*c*) Houses for subordinate establishments	20				
	989				
Pay of watchers	649				
Total ..	1,638	Total ..	..	1,915	3,553
(*a*) Head-quarter houses..	26	(*a*) Cart-roads	..	4	53
(*e*) Houses for subordinate establishments	3				
	29	Add A-VII (*c*) ..	..	..	30
Pay of watchers	20				
Total ..	49	Total ..	..	4	83

Communications.

District.	New works undertaken during the year 1903–1904.					
	Buildings.		Roads and paths.			Total expenditure on new work.
	Description of building.	Expenditure incurred.	Road or path and object of the same.	Length of road or path.	Expenditure incurred.	
1	2	3	4	5	6	7
						Northern
		Rs.		Mls.	Rs.	Rs.
Anantapur ..	(*d*) Others	5	(*b*) Bridle-paths	2	156 *+ 352	..
	Total ..	5	Total ..	2	508	513
Total, Northern Circle.	(*a*) Head-quarter houses ..	1,892	(*a*) Cart-roads	25	3,837	..
	(*b*) Rest-houses	2,353	(*b*) Bridle-paths	38	682	..
	(*c*) Houses for subordinate establishments	3,278	(*c*) Others	2	658	..
	(*d*) Others	5		..	..	..
	Grand Total, Northern Circle..	7,528	Grand Total ..	65	5,177	12,705
						Central
Direction ..	....	..	....	..	..	..
Cuddapah ..	(*c*) Houses for subordinate establishments	38	(*b*) Bridle-paths	1	150	..
	Total, Cuddapah ..	38	Total ..	1	150	188
Nellore ..	(*b*) Rest-houses	733				
	(*c*) Houses for subordinate establishments	82				
	Total, Nellore ..	815	Total ..	..	..	815
Chingleput ..	(*c*) Houses for subordinate establishments	92				
	Total, Chingleput ..	92	Total ..	..	..	92
North Arcot ..	(*a*) Head-quarter houses ..	205	(*b*) Bridle-paths	3	10	..
	(*b*) Rest-houses	558				
	(*c*) Houses for subordinate establishments	107				
	Total, North Arcot ..	870	Total ..	3	10	880
South Arcot ..	....	..	....	..	..	..
	Total, South Arcot ..	..	Total ..	..	..	..
North Salem..	(*a*) Head-quarter houses ..	40	(*a*) Cart-roads	..	1,100	..
	(*b*) Rest-houses	262				
	Total, North Salem ..	302	Total ..	..	1,100	1,402

and Buildings—*cont.*

Repairs executed during the year 1903-1904.					
Buildings.		Roads and paths.			Total expended on repairs.
Nature of repairs.	Expenditure incurred.	Nature of repairs.	Length repaired.	Expenditure incurred.	
8	9	10	11	12	13
Circle —cont.					
	RS.		MLS.	RS.	RS.
(*a*) Head-quarter houses	50				
(*b*) Rest-houses	757				
	+1,184*		..	..	1,493
(*c*) Houses for subordinate establishments	44	Add A-VII (*c*) ..	..	..	107
	1,035				
Pay of watchers, etc.	458				
Total ..	1,493	Total ..	..	..	1,600
(*a*) Head-quarter houses	351	(*a*) Cart-roads	18	2,589	..
(*b*) Rest-houses	4,099	(*b*) Bridle-paths	1	40	..
(*c*) Houses for subordinate establishments	764	(*c*) Others	..	35	..
			19	2,664	10,858
Pay of watchers	2,980	Add A-VII (*c*) ..	..	..	5,903
Grand Total ..	8,194	Grand Total ..	19	2,664	16,761
Circle.					
(*a*) Head-quarter houses	12	....	..	..	12
(*a*) Head-quarter houses	65	(*a*) Cart-roads	..	18	1,162
(*b*) Rest-houses	353	Add A-VII (*c*) ..	..	..	10
(*c*) Houses for subordinate establishments	467				
Pay of watchers	259				
Total ..	1,144	Total ..	..	18	1,172
(*a*) Head-quarter houses	211	....	..	..	..
(*b*) Rest-houses	124				
Pay of watchers	200				
Total ..	535	Total ..	..	..	535
(*a*) Head-quarter houses	15	(*a*) Cart-roads	..	618	1,361
(*b*) Rest-houses	654	Add A-VII (*c*) ..	..	..	59
(*c*) Houses for subordinate establishments	29				
Pay of watchers	45				
Total ..	743	Total ..	..	618	1,420
(*a*) Head-quarter houses	215	(*a*) Cart-roads	146	1,022	..
(*b*) Rest-houses	952	(*b*) Bridle-paths	35	187	..
(*c*) Houses for subordinate establishments	162		181	1,209	3,529
Pay of watchers	991	Add A-VII (*c*) ..	..	..	159
Total ..	2,320	Total ..	181	1,209	3,688
(*b*) Rest-houses	34	(*b*) Bridle-paths	7	270	669
(*c*) Houses for subordinate establishments	46	Add A-VII (*c*) ..	..	..	65
Pay of watchers	319				
Total ..	399	Total ..	7	270	734
(*a*) Head-quarter houses	139	(*a*) Cart-roads	..	62	280
(*b*) Rest-houses	79	Add A-VII (*c*) ..	..	..	53
Total ..	218	Total ..	..	62	233

* Added or deducted as per audited figures of the Accountant-General in Form No. 59.

District.	New works undertaken during the year 1903-1904.					Total expenditure on new work.
	Buildings.		Roads and paths.			
	Description of building.	Expenditure incurred.	Road or path and object of the same.	Length of road or path.	Expenditure incurred.	
1	2	3	4	5	6	7
						Central
		RS.		MLS.	RS.	RS.
South Salem ..	(*a*) Head-quarter houses ..	260	(*a*) Cart-roads	1	1,490	..
	(*b*) Rest-houses	1,384				
	(*c*) Houses for subordinate establishments	634				
	Total, South Salem ..	2,278	Total ..	1	1,490	3,768
Trichinopoly ..	(*c*) Houses for subordinate establishments	25	....	..	..	..
	(*d*) Others	53				
	Total, Trichinopoly ..	78	Total ..	..	..	78
Tanjore ..	....	..	....	..	..	..
	Total, Tanjore ..	..	Total ..	..	..	..
Total, Central Circle.	(*a*) Head-quarter houses ..	505	(*a*) Cart-roads	1	2,590	..
	(*b*) Rest-houses	2,937	(*b*) Bridle-paths	4	160	..
	(*c*) Houses for subordinate establishments	978				
	(*d*) Others	53				
	Grand Total, Central Circle ..	4,473	Grand Total ..	5	2,750	..
						Southern
South Canara.	(*b*) Rest-houses	827	(*a*) Cart-roads	2	37	..
	(*c*) Houses for subordinate establishments	15				
	Total, South Canara ..	842	Total ..	2	37	879
North Malabar.	....	..	(*c*) Others	..	191	..
	Total, North Malabar ..	..	Total ..	..	191	191
South Malabar.	(*a*) Head-quarter houses ..	75	(*b*) Bridle-paths	10	232	..
	(*b*) Rest-houses	357	(*c*) Others	..	732	..
	Total, South Malabar ..	432	Total ..	10	964	1,396
The Nilgiris ..	(*c*) Houses for subordinate establishments	956	(*b*) Bridle paths	3	302	..
	(*d*) Others	130				
	Total, The Nilgiris ..	1,086	Total ..	3	302	1,388
North Coimbatore.	(*b*) Rest-houses	735	(*a*) Cart-roads	3	1,723	..
	(*d*) Others	149				
	Total, North Coimbatore ..	884	Total ..	3	1,723	2,607

and Buildings—*cont.*

Repairs executed during the year 1903–1904.					
Buildings.		Roads and paths.			Total expended on repairs.
Nature of repairs.	Expenditure incurred.	Nature of repairs.	Length repaired.	Expenditure incurred.	
8	9	10	11	12	13
Circle—cont.					
	Rs.		Mls.	Rs.	Rs.
(*a*) Head-quarter houses	408	(*a*) Cart-roads	..	240	..
(*b*) Rest-houses	197	(*c*) Others	..	5	..
(*c*) Houses for subordinate establishments	60		..	245	910
		Add A-VII (*c*) ..	..	..	132
Total ..	665	Total ..	..	245	1,042
(*a*) Head-quarter houses	6		..	..	113
(*b*) Rest-houses	107	Add A-VII (*c*) ..	..	..	7
Total ..	113	Total ..	..	..	120
(*b*) Rest-houses	77		..	..	77
Total ..	77	Total ..	..	..	77
(*a*) Head-quarter houses	1,071	(*a*) Cart-roads	146	1,960	..
(*b*) Rest-houses	2,577	(*b*) Bridle-paths	42	457	..
(*c*) Houses for subordinate establishments.	764	(*c*) Others	..	5	..
			188	2,422	8,648
Pay of watchers	1,814	Add A-VII (*c*) ..	..	..	485
Grand Total ..	6,226	Grand Total ..	188	2,422	9,133
Circle.					
(*a*) Head-quarter houses	433	(*a*) Cart-roads	10	25	619
(*b*) Rest-houses	45				
(*c*) Houses for subordinate establishments	35				
(*d*) Others	81	Add A-VII (*c*) ..	..	..	36
Total ..	594	Total ..	10	25	655
(*a*) Head-quarter houses	109	(*a*) Cart-roads	58	1,803	2,598
(*c*) Houses for subordinate establishments	686	Add A-VII (*c*) ..	..	..	387
Total ..	795	Total ..	58	1,803	2,985
(*a*) Head-quarter houses	111	(*a*) Cart-roads	20	848	..
(*b*) Rest-houses	29	(*b*) Bridle-paths	53	99	..
(*c*) Houses for subordinate establishments	230		73	947	1,317
		Add A-VII (*c*) ..	..	..	739
Total ..	370	Total ..	73	947	2,056
(*c*) Houses for subordinate establishments	718	(*b*) Bridle-paths	84	2,284	3,002
		Add A-VII (*c*) ..	..	..	90
Total ..	718	Total ..	84	2,284	3,092
(*a*) Head-quarter houses	468	(*a*) Cart-roads	..	315	..
(*b*) Rest-houses	872	(*c*) Others	..	55	..
(*c*) Houses for subordinate establishments	380	Pay of watchers	..	6,376	..
(*d*) Others	10		..	6,746	8,892
Pay of watchers	416	Add A-VII (*c*) ..	..	..	542
Total ..	2,146	Total ..	..	6,746	9,434

Communications

District.	New works undertaken during the year 1903–1904.					
	Buildings.		Roads and paths.			Total expenditure on new work.
	Description of building.	Expenditure incurred.	Road or path and object of the same.	Length of road or path.	Expenditure incurred.	
1	2	3	4	5	6	7
						Southern
		Rs.		Mls.	Rs.	Rs.
South Coimbatore.	(c) Houses for subordinate establishments	1,667	(a) Cart-road	1	146	..
	(d) Others	1,173				
	Total, South Coimbatore ..	2,840	Total ..	1	146	2,986
Madura ..	(a) Head-quarter houses ..	1,209	(a) Cart-roads	7	1,680	..
	(c) Houses for subordinate establishments	370	(b) Bridle-paths	19	2,831	..
			(c) Others	68	178	..
			Pay of watchers	..	100	..
	Total, Madura ..	1,579	Total ..	94	4,789	..
Tinnevelly ..	(b) Rest-houses	1,820	(b) Bridle-paths	5	1,340	..
	(c) Houses for subordinate establishments	683	(c) Others	15	374	..
	Total, Tinnevelly ..	2,503	Total ..	20	1,714	4,217
Total, Southern Circle.	(a) Head-quarter houses ..	1,284	(a) Cart-roads	13	3,586	..
	(b) Rest-houses	3,739	(b) Bridle-paths	57	4,705	..
	(c) Houses for subordinate establishments	3,691	(c) Others..	83	1,475	..
	(d) Others	1,452	Pay of watchers	..	100	..
	Grand Total, Southern Circle ..	10,166	Grand Total ..	133	9,866	20,032
Total, Presidency.	(a) Head-quarter houses ..	3,681	(a) Cart-roads	39	10,013	..
	(b) Rest-houses	9,029	(b) Bridle-paths	79	5,547	..
	(c) Houses for subordinate establishments	7,947	(c) Others..	85	2,133	..
	(d) Others	1,510	Pay of watchers	..	100	..
	Grand Total, Presidency ..	22,167	Total ..	203	17,793	39,960

and Buildings—*cont.*

Repairs executed during the year 1903–1904.					
Buildings.		Roads and paths.			Total expended on repairs.
Nature of repairs.	Expenditure incurred.	Nature of repairs.	Length repaired.	Expenditure incurred.	
8	9	10	11	12	13
Circle—cont.					
	RS.		MLS.	RS.	RS.
(*a*) Head-quarter houses	159	(*a*) Cart-roads	17	2,178	..
(*b*) Rest-houses	1,073	(*b*) Bridle-paths	4	159	..
(*c*) House for subordinate establishments	274	(*c*) Others	8	488	..
(*d*) Others	118		29	2,825	4,449
		Add A-VII (*c*) ...	..	..	2,294
Total ..	1,624	Total ..	29	2,825	6,743
(*b*) Rest-houses	1,136	(*a*) Cart-roads	4	249	..
(*c*) Houses for subordinate establishments	88	(*b*) Bridle-paths	15	898	..
			19	1,147	2,697
Pay of watchers	326	Add A-VII (*c*) ..	..	..	531
Total ..	1,550	Total ..	19	1,147	3,228
(*a*) Head-quarter houses ..	18	(*a*) Cart-roads	81	3,141	..
(*b*) Rest-houses	858	(*b*) Bridle-paths	32	468	..
(*c*) Houses for subordinate establishments	412		113	3,609	4,995
(*d*) Others	98				
		Add A-VII (*c*) ..	..	..	25
Total ..	1,386	Total ..	113	3,609	5,020
(*a*) Head-quarter houses	1,298	(*a*) Cart roads	190	8,559	..
(*b*) Rest-houses	4,013	(*b*) Bridle-paths	188	3,908	..
(*c*) Houses for subordinate establishments	2,823	(*c*) Others	8	543	..
(*d*) Others	307	Pay of watchers	..	6,376	..
Pay of watchers	742		386	19,386	28,569
		Add A-VII (*c*) ..	..	..	4,644
Total ..	9,183	Total ..	386	19,386	33,213
(*a*) Head-quarter houses	2,720	(*a*) Cart-roads	354	13,108	..
(*b*) Rest-houses	10,684	(*b*) Bridle-paths	231	4,405	..
(*c*) Houses for subordinate establishments	4,351	(*c*) Others	8	583	..
(*d*) Others	307	Pay of watchers	.	6,376	..
Pay of watchers	5,536		593	24,472	48,075
		Add A-VIII (*c*) ..	..	..	11,032
Total ..	23,602	Total ..	593	24,472	59,107

ANNUAL

Forest Department,

REGISTER of Breaches of

District.		Cases pending from 1902–1903.	New cases of the year.					Total cases.
			Injury to forest by fire.	Unauthorized felling or appropriation of wood and minor forest produce.	Grazing without permission or in tracts in which grazing is prohibited.	Other offences.	Total new cases of the year.	
1		2	3	4	5	6	7	8
								Northern
Ganjám	A	* 58	1	267	47	12	327	385
	B	* 19	..	107	21	9	137	156
	C	..	..	52	..	..	52	..
	Total ..	77	1	426	68	21	516	541
Vizagapatam ..	A	6	1	8	2	2	13	19
	B	47	..	257	71	4	332	379
	C	..	..	..	..	..	..	..
	Total ..	53	1	265	73	6	345	398
Godávari ..	A	48	8	147	37	† 10 1	203	251
	B	22	..	153	34	5	192	214
	C	..	15	1	..	..	16	..
	Total ..	70	23	301	71	16	411	465
Kistna	A	16	..	12	11	1	24	40
	B	56	1	190	133	9	333	389
	C	..	20	..	..	..	20	..
	Total ..	72	21	202	144	10	377	429
Kurnool	A	259	2	414	319	19	754	1,013
	B	51	..	318	95	25	438	489
	C	..	..	61	8	15	84	..
	Total ..	310	2	793	422	59	1,276	1,502
Bellary	A	146	1	76	90	19	186	332
	B	89	..	247	392	47	686	775
	C	..	..	..	..	..	..	..
	Total ..	235	1	323	482	66	872	1,107
Anantapur ..	A	* 49	1	136	126	21	284	333
	B	* 13	..	203	189	13	405	418
	C	..	77	12	21	..	110	..
	Total ..	62	78	351	336	34	799	751
Total, Northern Circle.	A	582	14	1,060	632	85	1,791	2,373
	B	297	1	1,475	935	112	2,523	2,820
	C	..	112	126	29	15	282	..
Grand Total, Northern Circle ..		879	127	2,661	1,596	212	4,596	5,193

A. Cases taken into Court. B. Cases compounded. C. Cases undetected.

* Variations between the closing balance of 1902–03 and opening balance of 1903–04 are due to transfers between A and B.

† Driftwood case.

FORM No. 50.

Madras Presidency.

Forest Rules during 1903–1904.

Disposed of during the year.						Cases pending at close of year.
Convictions.		Acquittals.		Total.		
Cases.	Persons.	Cases.	Persons.	Cases.	Persons.	
9	10	11	12	13	14	15
Circle.						
224	641	39	220	263	861	65
				‡ 57	‡ 203	
142	463	..	..	142	463	14
..	..	..	..	..	..	..
366	1,104	39	220	405	1,324	79
				‡ 57	‡ 203	
13	36	..	..	13	36	6
314	890	..	..	314	890	42
				‡ 23	‡ 177	
..	..	..	..	..	..	..
327	926	..	..	327	926	48
				‡ 23	‡ 177	
206	459	20	96	227	557	21
† 1	2			‡ 3	‡ 23	
99	193	..	..	99	193	20
				‡ 95	‡ 276	
..	..	..	..	..	..	..
306	654	20	96	326	750	41
				‡ 98	‡ 299	
31	120	6	41	37	161	3
145	457	..	..	145	457	44
				‡ 200	‡ 690	
..	..	..	..	..	..	..
176	577	6	41	182	618	47
				‡ 200	‡ 690	
870	1,695	45	185	915	1,880	93
				‡ 5	‡ 12	
454	1,027	..	..	454	1,027	33
				‡ 2	‡ 7	
..	..	..	..	..	..	..
1,324	2,722	45	185	1,369	2,907	126
				‡ 7	‡ 19	
169	563	14	69	183	632	132
				‡ 17	‡ 54	
597	1,554	..	..	597	1,554	77
				‡ 101	‡ 371	
..	..	..	..	..	..	..
766	2,117	14	69	780	2,186	209
				‡ 118	‡ 425	
277	1,011	27	146	304	1,157	29
289	827	..	..	289	827	11
				‡ 118	‡ 482	
..	..	..	..	..	..	..
566	1,838	27	146	593	1,984	40
				‡ 118	‡ 482	
1,791	4,527	151	757	1,942	5,284	349
				‡ 82	‡ 292	
2,040	5,411	..	..	2,040	5,411	241
				‡ 539	‡ 2,003	
..	..	..	..	..	..	..
3,831	9,938	151	757	3,982	10,695	590
				‡ 621	‡ 2,295	

‡ Withdrawn under the orders of the District Forest-officer.

Register of Breaches of Forest

District.		Cases pending from 1902–1903.	New cases of the year.					Total cases.
			Injury to forest by fire.	Unauthorized felling or appropriation of wood and minor forest produce.	Grazing without permission or in tracts in which grazing is prohibited.	Other offences.	Total new cases of the year.	
1		2	3	4	5	6	7	8
								Central
Cuddapah ..	A	* 47	1	54	141	16	212	259
	B	* 116	1	293	407	75	776	892
	C†	..	..	..	..	..	..	..
	Total ..	163	2	347	548	91	988	1,151
Nellore ..	A	* 121	1	231	423	9	664	785
	B	* 53	..	471	491	8	970	1,023
	C	..	..	13	96	2	111	..
	Total ..	174	1	715	1,010	19	1,745	1,808
Chingleput ..	A	* 8	..	100	48	8	156	164
	B	* 93	..	372	85	2	459	552
	C	..	..	..	..	..	..	..
	Total ..	101	..	472	133	10	615	716
North Arcot ..	A	* 161	2	311	401	29	743	904
	B	* 181	..	479	319	34	832	1,013
	C	..	175	11	20	1	207	..
	Total ..	342	177	801	740	64	1,782	1,917
South Arcot ..	A	* 293 ‡ 22	1	695	439	92	1,227	1,542
	B	* 368	2	1,249	731	97	2,079	2,447
	C	..	10	473	7	4	494	..
	Total ..	683	13	2,417	1,177	193	3,800	3,989
North Salem ..	A	70	1	76	59	5	141	211
	B	149	..	629	406	19	1,054	1,203
	C	..	..	5	10	..	15	..
	Total ..	219	1	710	475	24	1,210	1,414
South Salem ..	A	* 276	..	305	72	17	394	670
	B	* 150	..	640	232	14	886	1,036
	C	..	64	8	..	1	73	..
	Total ..	426	64	953	304	32	1,353	1,706
Trichinopoly ..	A	* 33	2	49	29	..	80	113
	B	* 93	..	490	268	17	775	868
	C	..	..	50	19	7	76	..
	Total ..	§ 126	2	589	316	24	931	981

A. Cases taken into Court. B. Cases compounded. C. Cases undetected.

* Variations between the closing balance of 1902–1903 and opening balance of 1903–1904 are due to transfers between heads A and B.

† Reported as unknown.

‡ Undetected cases of the previous year brought on to this head during the year the offenders having been traced.

§ Revised figure.

Rules during 1903–1904—*cont.*

Disposed of during the year.						Cases pending at close of year.
Convictions.		Acquittals.		Total.		
Cases.	Persons.	Cases.	Persons.	Cases.	Persons.	
9	10	11	12	13	14	15
Circle—*cont.*						
216	615	21	150	237	765	22
609	1,690	..	..	609 § 93	1,690 § 307	190
..	..	..	..	..	..	..
825	2,305	21	150	846 § 93	2,455 § 307	212
514	1,142	61	263	605 § 17	1,405 § 31	163
864	1,787	..	..	864 § 32	1,787 § 105	127
..	..	..	..	..	..	..
1,408	2,929	61	263	1,469 § 49	3,192 § 136	290
96	273	14	40	110 § 44	313 § 166	10
478	1,055	..	..	478 § 1	1,055 § 2	73
..	..	..	..	..	..	..
574	1,328	14	40	588 § 45	1,368 § 168	83
710	1,850	28	101	738 § 41	1,951 § 86	125
893	2,079	..	..	893 § 143	2,079 § 113	77
..	..	..	..	..	..	..
1,603	3,929	28	101	1,631 § 84	4,030 § 199	202
1,169	2,853	33	101	1,202 § 143	2,954 § 303	197
2,004	4,092	..	..	2,004 § 59	4,092 § 80	384
..	..	..	..	..	..	..
3,173	6,945	33	101	3,206 § 202	7,046 § 383	581
159	395	25	69	184	464	27
1,108	2,251	..	..	1,108 § 31	2,251 § 117	64
..	..	..	..	..	..	..
1,267	2,646	25	69	1,292 § 31	2,715 § 117	91
465	1,786	119	485	584 § 18	2,271 § 64	68
852	2,740	..	..	852 § 55	2,740 § 205	129
..	..	..	..	..	..	..
1,317	4,526	119	485	1,436 § 73	5,011 § 269	197
82	182	12	33	94	215	19
771	1,601	..	..	771 § 13	1,601 § 27	84
..	..	..	..	..	..	..
853	1,783	12	33	865 § 13	1,816 § 27	103

§ Withdrawn under the orders of the District Forest-officer.

Register of Breaches of Forest

District.		Cases pending from 1902–1903.	New cases of the year.					Total cases.
			Injury to forest by fire.	Unauthorized felling or appropriation of wood and minor forest produce.	Grazing without permission or in tracts in which grazing is prohibited.	Other offences.	Total new cases of the year.	
1		2	3	4	5	6	7	8
								Central
Tanjore	A	* 3	..	4	5	..	9	12
	B	12	..	673	53	6	732	744
	C	..	..	1	3	..	4	..
	Total ..	15	..	678	61	6	745	756
Total, Central Circle.	A	1,034	8	1,825	1,617	176	3,626	4,660
	B	1,215	3	5,296	2,992	272	8,563	9,778
	C	..	249	561	155	16	980	..
Grand Total, Central Circle ..		2,249	260	7,682	4,764	463	13,169	14,438
								Southern
South Canara ..	A	* 26	14	117	17	43	191	217
	B	* 70	3	329	93	27	452	522
	C	..	2	39	3	12	56	..
	Total ..	† 96	19	485	113	82	‡ 699	739
North Malabar ..	A	2	..	2	3	1	6	8
	B	..	..	6	1	1	8	8
	C	..	3	..	..	..	3	..
	Total ..	2	3	8	4	2	17	16
South Malabar ..	A	4	..	6	3	2	11	* 15
	B	..	..	5	..	..	5	5
	C	..	..	..	..	..		..
	Total ..	4	..	11	3	2	16	20
The Nilgiris ..	A	* 38	5	20	40	10	75	113
	B	* 25	2	93	49	16	160	195
	C	..	..	..	..	..	..	..
	Total ..	73	7	113	89	26	235	308
North Coimbatore.	A	26	1	53	95	26	175	201
	B	12	..	149	137	30	316	328
	C	..	129	..	..	..	129	..
	Total ..	38	130	202	232	56	620	529
South Coimbatore..	A	29	..	63	24	31	118	147
	B	54	4	160	100	130	394	448
	C	..	..	..	14	..	14	..
	Total ..	83	4	223	138	161	526	595
Madura	A	* 140	2	179	71	13	265	405
	B	* 107	1	676	385	10	1,072	1,179
	C	..	..	..	..	..	..	..
	Total ..	† 247	3	855	456	23	‖ 1,337	1,584

A. Cases taken into Court. B. Cases compounded. C. Cases undetected.

* Variations between the closing balance of 1902–1903 and opening balance of 1903–1904 are due to transfers between A. and B.

† Revised figure. ‡ Exclusive of 1,244 petty-offences concerning 1,459 persons who were merely admonished.

‖ Exclusive of the 12 cases the report of which were received subsequent to the close of the year.

Rules during 1903–1904—*cont.*

Disposed of during the year.						Cases pending at close of year.
Convictions.		Acquittals.		Total.		
Cases.	Persons.	Cases.	Persons.	Cases.	Persons.	
9	10	11	12	13	14	15
Circle—cont.						
9	24	2	8	11	32	1
624	1,217	..	..	624	1,217	109
..	..	..	..	§ 11	§ 37	..
633	1,241	2	8	635	1,249	110
				§ 11	§ 37	
3,450	9,120	315	1,250	3,765	10,370	632
				§ 263	§ 650	
8,203	18,512	..	..	8,203	18,512	1,237
..	..	..	..	§ 338	§ 993	
				..	..	..
11,653	27,632	315	1,250	11,968	28,882	1,869
				§ 601	§ 1,643	
Circle.						
99	216	23	40	122	256	23
				§ 72	§ 171	
467	1,010	..	..	467	1,010	55
..	..	..	..	..	..	..
566	1,226	23	40	589	1,266	78
				§ 72	§ 171	
4	4	1	1	5	5	1
				§ 2	§ 4	
8	18	..	..	8	18	..
..	..	..	..	..	..	..
12	22	1	1	13	23	1
				§ 2	§ 4	
5	29	2	5	7	34	3
				§ 5	§ 14	
5	31	..	..	5	31	..
..	..	..	..	..	..	..
10	60	2	5	12	65	3
				§ 5	§ 14	
94	282	2	2	96	284	17
185	490	..	..	185	490	10
..	..	..	..	..	..	..
279	772	2	2	281	774	27
132	379	22	98	154	477	47
202	485	..	..	202	485	37
				§ 89	§ 254	
..	..	..	..	..	..	..
334	864	22	98	356	962	84
				§ 89	§ 254	
116	288	17	88	133	376	14
298	974	..	..	298	974	59
				§ 91	§ 220	
..	..	..	..	..	..	..
414	1,262	17	88	431	1,350	73
				§ 91	§ 220	
236	788	43	228	279	1,016	83
				§ 43	§ 134	
974	3,306	..	..	974	3,306	126
				§ 79	§ 213	
..	..	..	..	..	..	..
1,210	4,094	43	228	1,253	4,322	209
				§ 122	§ 347	

§ Withdrawn under the orders of the District Forest-officer.

Register of Breaches of Forest

District.		Cases pending from 1902-1903.	New cases of the year.					Total cases.
			Injury to forest by fire.	Unauthorized felling or appropriation of wood and minor forest produce.	Grazing without permission or in tracts in which grazing is prohibited.	Other offences.	Total new cases of the year.	
1		2	3	4	5	6	7	8
								Southern
Tinnevelly ..	A	4	5	110	94	10	219	223
	B	50	3	273	58	3	337	387
	C	..	..	3	109	..	112	..
	Total ..	54	8	386	261	13	668	610
Total, Southern Circle.	A	269	27	550	347	136	1,060	1,329
	B	328	13	1,691	823	217	2,744	3,072
	C	..	134	42	126	12	314	..
	Total ..	597	174	2,283	1,296	365	4,118	4,401
Grand Total, Presidency.	A	1,885	49	3,435	2,596	397	6,477	8,362
	B	1,840	17	8,462	4,750	601	13,830	15,670
	C	..	495	729	310	42	1,576	..
Grand Total, Presidency ..		3,725	561	12,626	7,656	1,040	21,883	24,032

A. Cases taken into Court. B. Cases compounded. C. Cases undetected.

Rules during 1903–1904—*cont.*

Disposed of during the year.						Cases pending at close of year.
Convictions.		Acquittals.		Total.		
Cases.	Persons.	Cases.	Persons.	Cases.	Persons.	
9	10	11	12	13	14	15
Circle—cont.						
177	497	25	60	202	557	21
322	970	..	..	322 * 38	970	27
..	..	..	..	..	..	..
499	1,467	25	60	524 * 38	1,527	48
863	2,483	135	522	998 * 122	3,005 * 323	209
2,461	7,284	..	..	2,461 * 297	7,284 * 687	314
..	..	..	..	..	..	..
3,324	9,767	135	522	3,459 * 419	10,289 * 1,010	523
6,104	16,130	601	2,529	6,705 * 467	18,659 * 1,265	1,190
12,704	31,207	..	..	12,704 * 1,174	31,207 * 3,683	1,792
..	..	..	..	..	..	..
18,808	47,337	601	2,529	19,409 * 1,641	49,866 * 4,948	2,982

* Withdrawn under the orders of the District Forest-officer.

Appendix to Form No. 50 for 1903–1904.

—	Details of prosecutions for offences by fire.					
	Serial number of fire.	Areas burnt.	Character of offence (whether careless or intentional).	Whether acquitted or convicted.	Section of law under which convicted.	Amount of punishment.
Ganjám ..	* 1	320 acres.	Intentional ..	Acquitted ..	....	....
	* 2	300 ,,	Do. ..	Withdrawn ..	....	....
	* 3	60 ,,	Do. ..	Convicted ..	Section 21 (*b*) of the Madras Forest Act.	Two accused sentenced to undergo rigorous imprisonment for three weeks.
	4	*Nil.* †	Do. ..	Pending trial ..	....	....
Vizagapatam..	1	.... ‡	Do. ..	Do. ..	....	....
Gódávari ..	* 1	121 acres.	Careless ..	Convicted ..	Section 21 of the Madras Forest Act.	Sentenced to pay a fine of Rs. 25 and in default, one month's rigorous imprisonment.
	* 2	200 ,,	Do. ..	Do. ..	Do.	Sentenced to pay a fine of Rs. 20 and in default, one month's rigorous imprisonment.
	* 3	300 ,,	Do. ..	Do. ..	Do.	Sentenced to pay a fine of Rs. 25 and in default, one month's rigorous imprisonment.
	* 4	6,500 ,,	Do. ..	Acquitted ..	....	....
	* 5	....	Intentional ..	Convicted ..	Section 21 of the Madras Forest Act.	Sentenced to pay a fine of Rs. 10.
	6	14,053 acres.	Careless ..	Do. ..	Do.	Sentenced to undergo one month's rigorous imprisonment and to pay a fine of Rs. 20.
	7	6 ,,	Do. ..	Do. ..	Do.	Sentenced to pay a fine of Rs. 25.
	8	1,440 ,,	Do. ..	Acquitted ..	....	....
	9	320 ,,	Do. ..	Convicted ..	Section 21 of the Madras Forest Act.	Fined Rs. 20 each. (The number of accused not reported by the Collector).
	10	....	Do. ..	Do. ..	Do.	Fined Rs. 25 or to suffer fifteen days' rigorous imprisonment.
	11	1,453 acres.	Do. ..	Do. ..	Do.	Sentenced to undergo one month's rigorous imprisonment
	12	1 acre.	Do. ..	Do. ..	Do.	Fined Rs. 10.
	13	1 ,,	Do. ..	Acquitted ..	....	....
Kistna ..	§ 1	.. . ‡	Do. ..	Withdrawn ..	....	....
Kurnool ..	1	138 acres.	Intentional ..	Convicted ..	Section 21 (*b*) of the Madras Forest Act.	Three accused each to undergo rigorous imprisonment for two months.
	2	2,395 ,,	Do. ..	Do. ..	Do.	Fined Rs. 5 in default to undergo simple imprisonment for two days.
Bellary ..	‖ 1	Unknown.	Careless ..	Discharged under section 253, Criminal Procedure Code.	Section 26 of the Madras Forest Act.	....
Anantapur ..	1	2,000 acres.	Do. ..	Acquitted ..	....	....
Cuddapah ..	* 1	3,200 ,,	Intentional ..	Withdrawn ..	....	....
	* 2	1 acre.	Do. ..	Do. ..	....	....
	3	.... ‡	Do. ..	Do. ..	....	....
	¶ 4	200 acres.	Do. ..	Pending ..	....	....
Nellore ..	1	40 ,,	Do. ..	Do. ..	....	....
North Arcot.	1	200 ,,	Careless ..	Convicted ..	Section 21 (*c*) of the Madras Forest Act.	Fined Rs. 20, in default to suffer ten days' simple imprisonment.
	2	20 ,,	Do. ..	Do. ..	Do.	Fined Rs. 5.
South Arcot.	1	*Nil.*	Carelessly throwing away lighted cigars.	Do. ..	Section 21 (*b*) of the Madras Forest Act.	Three accused sentenced to undergo fifteen days' rigorous imprisonment each.
North Salem.	* 1	*Nil.*	Intentional ..	Pending ..	..	....
	2	121 acres.	Do. ..	Convicted ..	Section 21 (*b*) of the Madras Forest Act.	Fined Rs. 7.
Trichinopoly.	** 1	150 ,,	Do. ..	Do. ..	Do.	Two accused fined Rs. 100 each in default to undergo six weeks' rigorous imprisonment.

* Pending cases of last year. † Found with a lighted torch. ‡ Not reported.
§ The Collector has not explained the variation between this figure and the number of cases shown in Form No. 50.
‖ The Collector has not reported about the result of the case shown as pending at the close of the preceding year.
¶ Form No. 50 shows only one case as having been taken to Court. The discrepancy has not been explained by the Collector.
** Form No. 50 records two cases but the discrepancy has not been explained by the Collector.

Appendix to Form No. 50 for 1903–1904—*cont.*

—	Details of prosecutions for offences by fire.					
	Serial number of fire.	Areas burnt.	Character of offence (whether careless or intentional).	Whether acquitted or convicted.	Section of law under which convicted.	Amount of punishment
South Canara.	* 1	4 acres.	Careless ..	Compounded for Rs. 2.	....	....
	* 2	30 ,,	Intentional ..	Acquitted ..	....	....
	* 3	*Nil.*	Do. ..	Do ..	....	....
	* 4	15 acres.	Careless ..	Convicted ..	Rules 11 and 15 under section 26.	Fined Rs. 5.
	5	10 ,,	Do. ..	Do. ..	Section 21 (*b*) of the Madras Forest Act.	Fined Rs. 8.
	6	12 ,,	Do. ..	Pending ..	....	....
	7	60 ,,	Intentional ..	Convicted ..	Section 21 (*b*) of the Madras Forest Act.	Fined Rs. 25.
	8	45 ,,	Do. ..	Do. ..	Do.	Fined Rs. 15.
	9	2 ,,	Careless ..	Do. ..	Do.	Fined Rs. 9.
	10	13 ,,	Intentional ..	Do. ..	Do.	Fined Rs. 10.
	11	10 ,,	Careless ..	Acquitted ..	....	....
	12	6 ,,	Do. ..	Withdrawn ..	....	....
	13	300 ,,	Intentional ..	Convicted ..	Rules 11 and 15 under section 26 of the Madras Forest Act.	Fined Rs. 5.
	14	10 ,,	Do. ..	Acquitted ..	....	....
	15	50 ,,	Do. ..	Convicted ..	Rules 11 and 15 under section 26 of the Madras Forest Act.	Fined Rs. 20.
	16	5 ,,	Do. ..	Do. ..	Do.	Do.
	† 17	100 ,,	Do. ..	Pending ..	....	....
The Nilgiris.	1	½ acre.	Careless ..	Acquitted ..	....	....
	2	20 acres.	Intentional ..	Convicted ..	Section 21 (*e*) of the Madras Forest Act.	Two accused fined Rs. 10 each.
	3	....	Do. ..	Do. ..	Do.	Do. Rs. 5 each.
	4	12 acres.	Careless ..	Acquitted ..	....	....
	5	....	Intentional ..	Convicted ..	Section 21 (*e*) of the Madras Forest Act.	Sentenced to undergo one month's rigorous imprisonment.
	6	18 acres.	Do. ..	Pending ..	....	....
	‡ 7	1½ ,,	Do. ..	Do. ..	....	....
North Coimbatore.	ǂ 1	3,750 ,,	Do. ..	Convicted ..	Section 21 (*b*) of the Madras Forest Act.	Two accused sentenced to undergo two weeks' simple imprisonment each.
Madura ..	1	Not known.	Do. ..	Acquitted ..	....	....
	2	Do.	Do. ..	Do. ..	....	....
Tinnevelly ..	1	200 acres.	Do. ..	Do. ..	....	....
	2	300 ,,	Do. ..	Convicted ..	Section 21 (*b*) of the Madras Forest Act.	Received 10 stripes with a light rattan.
	3	609 ,,	Careless ..	Do. ..	Do.	Fined Rs. 30, in default to undergo one month's simple imprisonment.
	4	0·10 acre.	Do. ..	Do. ..	Do.	Fined Rs. 30.
	5	0·01 ,,	Do. ..	Pending ..	....	....

* Cases which were pending at the close of 1902–1903.

† Form No. 50 shows 14 new cases of the year against 16 shown in this appendix. The variation has not been explained by the Collector.

‡ Form No. 50 shows only five cases. The Collector has not explained the variation nor reported the results of the cases shown as pending at the close of 1902–1903.

ǂ The result of the trial of the case shown as pending at the close of 1902–1903 has not been reported by the Collector.

ANNUAL FORM No. 51.

Forest Department, Madras Presidency.

AREA of Forest Tracts protected from Fire during 1903-1904.

District.	Forest tracts.	Year in which protection commenced.	Area protected during the previous year.	During dry season of 1904.			Cost during the season.	Remarks.
				Area attempted to be protected.	Fires.	Actually protected.		
1	2	3	4	5	6	7	8	9
Ganjám—Special.	*Northern Circle.*		ACS.	ACS.	ACS.	ACS.	RS.	
Mojjaguda..	Gullery	1901 ..	2,003	2,536	..	2,536	284	
	Rambha	1903 ..	..	343	237	106	103	
	Baiballi	1903 ..	170	1,090	8	1,082	80	
	Darpangia	1903 ..	140	1,071	..	1,071	102	
	Dhimrijholi	1903 ..	386	392	2	390	63	
	Tiliki	1903 ..	633	1,589	18	1,571	105	
	Kaliamba	1904 ..	..	900	..	900	51	
	Total, Mojjaguda ..	..	3,332	7,921	265	7,656	788	
Kukuluba ..	Brahmanasai	1901 ..	1,410	1,545	418	1,127	165	
	Chendragiri	1903 ..	4,346	4,500	496	4,004	336	
	Gogodo	1903 ..	2,650	3,100	820	2,280	98	
	Ambazora	1903 ..	2,000	2,000	3	1,997	76	
	Jagannadhaprasad ..	1904 ..	..	400	10	390	109	
	Kullada	1904 ..	..	600	55	545	65	
	Total, Kukuluba ..	..	10,406	12,145	1,802	10,343	849	
Buguda ..	Panchabhuti	1903 ..	2,500	2,500	..	2,500	126	
	Kurcholi	1901 ..	796	800	..	800	61	
	Kriamba	1903 ..	7,450	8,000	8	7,992	330	
	Total, Buguda ..	..	10,746	11,300	8	11,292	517	
Suradá ..	Rogada	1903 ..	5,020	2,044	113	1,931	203	
	Mundapetta	1903 ..	2,557	1,776	102	1,674	102	
	Dabuki	1903 ..	1,192	1,200	..	1,200	27	
	Dowgam	1903 ..	1,998	769	..	769	61	
	Pippalaponka	1903 ..	4,467	3,277	240	3,037	166	
	Bondagocha	1904 ..	..	238	6	232	31	
	Total, Suradá ..	..	15,234	9,304	461	8,843	590	
	Total, Ganjám, Special ..	..	39,718	40,670	2,536	38,134	2,744	
General.— Berhampur.	Ramagoda	1885 ..	7,927	7,955	288	7,667	28	
	Baniamari	1885 ..	3,990	4,028	..	4,028	14	
	South Mohiri	1885 ..	3,414	3,408	13	3,395	14	
	Total, General ..	..	15,331	15,391	301	15,090	56	
	Total, Ganjám, Special and General.	..	55,049	56,061	2,837	53,224	* 2,941	* Includes a sum of Rs. 141 spent on account of dry season of 1903 which was debited in the accounts for 1903-1904.
Vizagapatam.	Dharakonda	1901-1902	25,226	42,894	2,560	40,334		
	Senivaram	1901-1902	20,488	31,488	2,247	29,241		
	Sithakhandi	1901-1902	2,367	2,368	..	2,368		
	Arlova	1901-1902	4,318	4,318	..	4,318		
	Karaka	1901-1902	9,461	9,461	..	9,461		
	Madalammakonda ..	1900-1901	3,600	3,600	..	3,600		
	Pedimikonda	1900-1901	3,227	3,227	..	3,227		
	Kodavatipudi	1900-1901	1,544	1,544	..	1,544		
	Kakarlakonda	1900-1901	1,924	1,924	..	1,924		
	Boddapalem	1900-1901	308	308	..	308	134	
	Venkatapuram	1900-1901	508	508	..	508		
	Sarugudu reserve Nos. 1 to 4	1900-1901	..	19,079	..	19,079		
	Peddapalli	1892	9,077	9,077	..	9,077		
	Kadagandi	1900-1901	..	11,064	4	11,060		
	Barnakonda	..	..	13,517	3,976	9,541		
	Antikonda	..	..	6,969	172	6,797		
	Palakonda	..	..	4,580	67	4,513		
	Chinnagora	..	..	2,383	56	2,327		
	Total, Vizagapatam ..	..	82,048	168,309	9,082	159,227	134	

Area of Forest Tracts protected from Fire during 1903-1904—*cont.*

District.	Forest tracts.	Year in which protection commenced.	Area protected during the previous year.	During dry season of 1904.			Cost during the season.	Remarks.
				Area attempted to be protected.	Fires.	Actually protected.		
1	2	3	4	5	6	7	8	9
	Northern Circle—cont.		ACS.	ACS.	ACS.	ACS.	RS.	
Gódávari—Bhadráchalam range.	Dummagudem reserve ..	1887 ..	6,107	6,110	*Nil.*	6,110	160	
	Arlagudem reserve ..	1888 ..	6,136	6,136	11	6,125	160	
	Total, Bhadráchalam ..	..	12,243	12,246	11	12,235	320	
Marrigudem range.	1. Bandrevu reserve ..	1904 ..	..	10,900	300	10,600	378	
	2. Gullaguppa ,, ..	1904 ..	..	8,000	560	7,440		
	3. Narakonda ,, ..	1904 ..	..	7,500	200	7,300		
	4. Pegha ,, ..	1904 ..	..	4,400	*Nil.*	4,400		
	5. Uppanapalli ,, ..	1904 ..	..	3,300	*Nil.*	3,300		
	6. Seetarampuram reserve	1904 ..	..	3,000	*Nil.*	3,000		
	7. Bandarugudem ,,	1904 ..	..	7,100	470	6,630		
	8. Burakanakota ,,	1904 ..	..	1,500	250	1,250		
	9. Repaka ,,	1887 ..	7,000	7,000	2,000	5,000		
	10. Tattilanka ,,	1887 ..	11,905	12,000	*Nil.*	12,000		
	11. Ramachandram ,,	1887 ..	10,165	10,300	140	10,160		
	Total, Marrigudem ..	..	29,070	75,000	3,920	71,080	* 425	
Rékapalle range.	Rékapalle hill reserve working-plan area compartment No. I.	1901 ..	11,600	14,053	4,086	9,967	2,069	
	Rékapalle hill reserve working-plan area compartment No. II.	1903 ..	73,812	14,053	2,830	11,223		
	Rékapalle hill reserve working-plan area compartment No. III.	1903 ..		14,053	417	13,636		
	Rékapalle hill reserve working-plan area compartment No. IV.	1903 ..		14,053	2,168	11,885		
	Rékapalle hill reserve working-plan area compartment No. V.	1903 ..		14,053	*Nil.*	14,053		
	Rékapalle hill reserve working-plan area compartment No. VI.	1903 ..		14,053	500	13,553		
	Rékapalle hill reserve working-plan area compartment No. VII.	1903 ..		14,053	*Nil.*	14,053		
	Rékapalle hill reserve working-plan area compartment No. VIII.	1903 ..		14,053	8	14,045		
	Rékapalle hill reserve working-plan area compartment No. IX.	1903 ..		14,053	*Nil.*	14,053		
	Rékapalle hill reserve working-plan area compartment No. X.	1902 ..	103	14,053	*Nil.*	14,053		
	Pulusumamidi reserve ..	1902 ..	3,160	4,520	*Nil.*	4,520	83	
	Mattapalli ,, ..	1887 ..	7,100	9,500	*Nil.*	9,500	140	
	Total, Rékapalle ..	..	95,775	154,550	10,009	144,541	2,292	
	Total for the Sub-division.	..	137,088	241,796	13,940	227,856	3,037	
Rajahmundry range.	1. Devancheruvu reserve.	1887 ..	2,051	2,051	*Nil.*	2,051	32	
	2. Kojida reserve ..	1889 ..	1,280	1,280	1	1,279	16	
	3. Murari ,,	1889 ..	700	700	..	700	16	
	4. Lakkonda ,,	1887 ..	10,064	13,104	1,250	11,854	64	
	5. Molleru	1887 ..	8,152	8,250	50	8,200	31	
	6. Mallavaram	1887 ..	540	7,600	344	7,256	32	
	7. Sudikonda	1887 ..	6,841	6,880	11	6,869	32	
	8. Tirumalayapalom ..	1887 ..	5,136	5,150	..	5,150	48	
	Total, Rajahmundry ..	..	41,764	45,015	1,656	43,359	271	
Peddápuram range.	Totopalli reserve ..	1890 ..	2,148	2,150	..	2,150	32	

* Includes cost of fire-tracing of certain forest roads.

Area of Forest Tracts protected from Fire during 1903–1904—*cont.*

District.	Forest tracts.	Year in which protection commenced.	Area protected during the previous year.	During dry season of 1904.			Cost during the season.	Remarks.
				Area attempted to be protected.	Fires.	Actually protected.		
1	2	3	4	5	6	7	8	9
	Northern Circle—cont.		ACS.	ACS.	ACS.	ACS.	RS.	
Gódávari—*cont.* Yernagúdem range.	1. Boddadavole reserve ..	1890 ..	14,791	15,000	89	14,911	163	
	2. Jilugumalli reserve ..	1893 ..	3,318	3,318	..	3,318	75	
	3. Barrinkalapadu ..	1898 ..	1,650	1,650	40	1,610		
	4. Marlagudem	1890 ..	2,100	2,100	2	2,098	86	
	Total, Yernagúdem ..	..	21,859	22,068	131	21,937	324	
Ellore range.	1. Yerraguntapalli ..	1888 ..	8,634	8,640	..	8,640	84	
	2. Barrikonda	1888 ..	4,010	4,010	..	4,010	48	
	3. Bandamcherla	1888 ..	5,200	5,200	..	5,200	60	
	Fire trasing of the boundary of the first two reserves contiguous to Hyderabad.						16	
	Total, Ellore ..	..	17,844	17,850	..	17,850	208	
	Total for the Main division.	..	83,615	87,082	1,787	85,296	835	
	Total for the Sub-division.	..	137,088	241,796	13,940	227,856	3,037	
	Grand Total, Gódávari ..	..	220,703	328,879	15,727	313,152	3,872	
Kistna—(Special).	Kondapalli reserve, compartments II, III, IV, V, VI, IX, XI and XIV.	1884–85 ..	9,979	9,979	7,140	2,839	67	
	Kondur reserve	1903–1904..	..	200	..	200	5	
	Venkatayapalem reserve, compartments I, II and III.	1894–95 ..	15,407	15,588	682	14,906	48	
	Bollapalli reserve, compartment 1.	1885–86 ..	18,584	3,694	..	3,094	30	
	Gangalakunta	1890–91 ..	14,061	16,781	11,773	5,008	12	
	Paswemula	1892–93 ..	8,963	8,963	7,875	1,088	6	
	Total, Special ..	..	66,994	54,605	27,470	27,135	168	
(General) ..	Kondapalli reserve and its Extension No. 1.	..	11,968	11,968	..	11,968	..	
	Venkatayapalem	..	24,978	24,978	..	24,978	..	
	Bollapalli reserve compartments 2 to 6.	..	..	15,490	10,150	5,340	..	
	Coupes in Vinukonda range.	..	..	700	100	600	..	
	Gangulakunta	..	878	878	..	878	..	
	Paswemula	..	9,412	9,412	..	9,412	..	
	Total, General ..	..	47,236	63,426	10,250	53,176	..	
	Total, Kistna, Special and General.	..	114,230	118,031	37,720	80,311	* 188	
Kurnool—(Special).	North and South Bairluti blocks.	1887 ..	2,252	17,152	17,152	..	247	
	"A" block	1889 ..	4,561	5,267	4,068	1,199	239	
	South Chelama	1891 ..	4,544	6,965	5,000	1,965	107	
	South Chelama Addition ..	1894 ..	292	5,378	2,000	3,378	127	
	Gummakonda	1893 ..	..	7,680	7,680	..	72	
	Digavametla	1891 ..	785	785	135	650	82	
	Jangambhavi	1891 ..	113	113	15	98	35	
	Western Veligonda block.	1889 ..	17,132	17,780	138	17,642	100	
	Chelama Improvement felling block.	1895 ..	325	1,114	1,114	..	33	
	Gazulapalli Railway fuel felling coupe.	1902 ..	..	† ..	..	..	50	
	Chelama Railway fuel felling coupe.	1902 ..	41	1,016	1,016	..	25	
	Palerdam Railway fuel felling coupe.	1903 ..	514	602	280	322	11	
	Compartment No. III coupes.	1902 ..	1,278	2,400	2,400	..	67	
	Gadedamadgu reserve felling coupes.	1903 ..	108	324	160	164	10	
	North Dhone reserve felling coupes.	1903 ..	416	716	620	96	14	

* Includes the amounts expended during the year in Palnad (Rs. 10), Vinukonda (Rs. 3) and Guntúr (Rs. 7) on account of previous year.

† Area included in "A" block.

Area of Forest Tracts protected from Fire during 1903–1904—*cont.*

District.	Forest tracts.	Year in which protection commenced.	Area protected during the previous year.	During dry season of 1904.			Cost during the season.	Remarks.
				Area attempted to be protected.	Fires.	Actually protected.		
1	2	3	4	5	6	7	8	9
	Northern Circle—cont.		ACS.	ACS.	ACS.	ACS.	RS.	
Kurnool—*cont.*	Kamalapuram reserve felling coupes.	1903 ..	24	94	94	..	4	
	Fire tracing Railway line and around Chelama house.	..	..	..	..	..	234	
	Velgodu block	1904 ..	..	..	..	..	205	
	Pogapadu block	1904 ..	..	4,387	3,290	1,097	107	
	Extinguishing fires in unprotected areas.	..	..	..	..	..	2	
	Total, Kurnool ..	..	32,385	71,773	45,162	26,611	1,771	
Bellary. Sandur—(Special).	Ramandrug	1883 ..	4,580	6,841	640	6,201	704	
	North-East range ..	1883 ..	1,056	4,267	1,056	3,211		
	Donimalai	1883 ..	1,112	1,112	1,112	..		
	Tornagal	1898–99 ..	..	50	..	50	4	
Adóni ..	Kupgal	1892–93 ..	492	497	..	497	20	
	Tungabhadra	1892–93 ..	84	84	9	75	7	
Bellary ..	Malapanagudi, Yepi block.	1886–87 ..	1,060	1,066	..	1,066	36	
Kudligi ..	Sivapuram	1902–1903.	100	200	..	200	..	
	Chiribi	1899–1900.	..	..	..	..	..	
Harpanahalli.	Hyrada coupes	1899–1900.	*Nil.*	2,616	2,616	..	8	
	Total, Bellary ..	..	8,484	16,733	5,433	11,300	779 — * 11	
Anantapur. (Special).	Muchukota	1884 ..	6,998	10,000	3,200	6,800	405	
	Kothakota	1884 ..	10,496	11,016	4	11,012	261	
	Amagondapaliem	1884 ..	14,835	15,360	..	15,360	410	
	Nyalakota	1890 ..	4,199	12,156	100	12,056	220	
	Total, Special ..	..	36,528	48,532	3,304	45,228	1,296	
(General).	Guttur (West)	1887 ..	3,778	3,880	900	2,980	30	
	Durgam	1894 ..	3,640	..	..	..	..	
	Gopidevarapalli	..	1,884	..	..	..	..	
	Dokkalakonda	1898 ..	7,420	..	..	..	..	
	Kekathi	1898 ..	1,235	..	..	..	..	
	Iyyampalli	1903 ..	1,344	..	..	..	..	
	Total, General ..	..	19,301	3,880	900	2,980	30	
	Total, Anantapur Special and General.	..	55,829	52,412	4,204	48,208	1,326 + * 22	
	Total, Northern Circle. (Special).	..	184,109	232,313	83,905	148,408	6,930	
	Total, Northern Circle (General).	..	384,619	579,885	36,260	543,625	4,092	
	Grand Total, Northern Circle.	..	568,728	812,198	120,165	692,033	11,022	
	Central Circle.							
Cuddapah Pullampet—Veligonda.	Chiyyavaram reserve and extension.	1903 ..	30,702	30,702	15,351	15,351	240	
	Kodur reserve and extension.	1874 ..						
	Settigunta reserve ..	1871 ..						
Seshachalalm ..	Seshachalam reserve ..	1867–73 ..	77,085	77,085	34,688	42,397	472	
Vayalpad Sidhout.	Do. ..	1890–1903.	33,586	33,586	8,434	25,152	411	
Cuddapah range.	Palkondas ..	1901 ..	12,420	12,420	11,178	1,242	187	
	Do. ..	1901 ..	35,510	35,510	23,436	12,074	397	
	Gangunapulli coupe ..	1904 ..	..	250	..	250	..	
Sidhout range.	Lankamalais	1883 ..	17,660	17,660	16,424	1,236	202	
Badvel range.	Do.	1883 ..	17,140	17,140	8,570	8,570	376	

* Added or deducted as per Accountant-General's audited figures.

Area of Forest Tracts protected from Fire during 1903-1904—*cont.*

District.	Forest tracts.	Year in which protection commenced.	Area protected during the previous year.	During dry season of 1904.			Cost during the season.	Remarks.
				Area attempted to be protected.	Fires.	Actually protected.		
1	2	3	4	5	6	7	8	9
	Central Circle—cont.		ACS.	ACS.	ACS.	ACS.	RS.	
Prodattur ..	Nallamalais	1883-1885..	27,558	27,558	13,000	14,558	389	
Vayalpaud ..	Nallamalais	..	* 34,000	* 34,000	17,290	16,710	190	
Kadiri ..	Horsleykonda	..	21,739	10,000	45	9,955	95	
Vayalpaud.	Nigudi reserve	..	27,770	27,770	1,280	26,490	117	
	Tradukonda reserve ..	..	2,200	2,200	1,920	280	40	
	Total, Cuddapah ..	..	537,370	325,881	151,616	174,265	3,116	
Nellore ..	Udayagiri Veligondas A and B blocks in Udayagiri range.	1883 ..	59,020	60,000	350	59,650	504	
	Rapur-Veligondas A and B blocks in Rapur range.	1883 ..	30,280	30,720	1,392	*29,328	414	
	Nandanavanam block and its extensions A and B and Vedullacheruvu or Kanigiri-Veligondas.	1883 ..	23,920	26,780	1,720	25,060	244	
	Udayagiri-Durgam hill and Karisakonda in Udayagiri range.	1902 ..	15,760	15,760	30	15,730	68	
	Udayagiri-Yerrakondas ..	1903 ..	14,080	14,080	..	14,080	113	
	Gundlakonda in Udayagiri range.	1903 ..	720	720	..	720	30	
	Total, Nellore ..	..	143,780	148,060	3,492	144,568	1,373 †(a)838	
Chingleput district—								
Chingleput range.	Maiyur	1900-1901.	283	283	..	283	4	
	Karunguli	1900-1901.	16	16	..	16	..	
	Kambakkam	1883-84 ..	15,879	15,879	..	15,879	349	
Tiruvallúr range.	Nagalapuram	1883-84 ..	9,632	9,632	140	9,492		
	Total, Chingleput ..	..	25,810	25,810	140	25,670	353	
North Arcot —Special protection. Chittoor range.	Chittaparai	1888 ..	4,250	4,276	..	4,276	24	
	Paradarani	1880 ..	8,897	9,100	60	9,040	50	
	Pachigunta	1888 ..	1,800	1,800	..	1,800	17	
	Irala A and B	1888 ..	12,531	12,531	395	12,136	123	
	Parapumalai	1899 ..	2,227	2,227	..	2,227	26	
	Tavanampalle	1899 ..	1,862	1,862	..	1,862	27	
	Puthalapat	1891 ..	3,077	3,077	..	3,077	13	
	Total, Chittoor ..	..	34,644	34,873	455	34,418	280	
Chandragiri.	Mungilpatti	1890 ..	27,744	27,744	315	27,429	64	
	Panapakam	1880 ..	17,318	17,318	80	17,238	93	
	Mamandur	1874 ..	1,760	1,760	..	1,760	69	
	Do. extension ..	1888 ..	10,291	10,291	800	9,491	109	
	Napier	1880 ..	8,826	8,826	..	8,826	193	
	Tirupati hill	1888 ..	18,554	18,554	350	18,204	119	
	Nagapatla	1890 ..	18,912	18,912	440	18,472	67	
	Chamala	1880 ..	19,142	19,142	450	18,692	125	
	Tirupati Hill extensions A and B.	1891 ..	6,298	6,298	200	6,098	28	
	Total, Chandragiri ..	..	128,845	128,845	2,635	126,210	867	
Palmanér ..	Peddanaigdrug	1880 ..	14,419	14,419	1,460	12,959	52	
	Mordana	1884 ..	9,200	9,200	1,270	7,930	65	
	Charagal	1888 ..	6,719	6,719	31	6,688	49	
	Peddur	1880 ..	16,526	16,526	1,425	15,101	70	
	Naickaneri	1880 ..	6,840	6,840	1,288	5,552	49	
	Musalimadugu	1884 ..	5,542	5,542	..	5,542	142	
	Palmanér	1892 ..	6,298	6,298	145	6,153	66	
	Peddur extension ..	1895 ..	9,395	189	25	164	5	
	Basivireddipalle	1903 ..	239	239	..	239	4	
	Total ..		75,178	65,972	5,644	60,328	502	

* In the remaining portion there is nothing to burn; hence excluded from the area attempted to be protected.
(a) Added as per Accountant-General's audited figures.

Area of Forest Tracts protected from Fire during 1903-1904—*cont.*

District.	Forest tracts.	Year in which protection commenced.	Area protected during the previous year.	During dry season of 1904.			Cost during the season.	Remarks.
				Area attempted to be protected.	Fires.	Actually protected.		
1	2	3	4	5	6	7	8	9
North Arcot district—*cont.* Special protection—*cont.*	*Central Circle*—cont.		ACS.	ACS.	ACS.	ACS.		
	Penamadangi	1887 ..	10,515	10,515	..	10,515	46	
	Naickaneri (Gudiyáttam portion).	1884 ..	5,154	5,154	590	4,564	25	
	Mordana (Gudiyáttam portion).	1884 ..	14,614	14,614	1,700	12,914	34	
	Amburdrug	1884 ..	10,139	10,139	136	10,003	58	
	Mordana extension ..	1891 ..	9,094	9,094	320	8,774	19	
	Gundlapalli reserve ..	1894 ..	7,354	7,354	..	7,354	28	
	Do. extension ..	1894 ..	928	..	Transferred to General Protection.			
	Sayanagunta	1891 ..	7,306	7,306	..	7,306	31	
Gudiyáttam.	Charagal (Gudiyáttam portion.)	1893 ..	11,566	11,566	335	11,231	50	
	Kanjanur	1893 ..	1,549	1,549	104	1,445	17	
	Sayanagunta (extension) ..	1892 ..	2,496	..	Transferred to General Protection.			
	Karapet ..	1892 ..	8,000	8,000	404	7,596	63	
	Naickaneri extension ..	1887 ..	1,568	1,568	..	1,568	13	
	Paradarami extension ..	1889 ..	1,888	..	Transferred to General Protection.			
	Paradarami (Gudiyáttam portion).	1903 ..	4,505	4,302	..	4,302	8	
	Jangalapalle	1903 ..	109	2,734	..	2,734	17	
	Pallalacuppam	1903 ..	94	94	..	94	14	
	Kallapady	1894 ..	..	6,945	..	6,945	5	
	Total, Gudiyáttam ..	..	96,879	100,934	3,589	97,345	428	
Vellore ..	Arasambat reserve ..	1887 ..	17,890	17,890	2,326	15,564	167	
	Ambur fuel	1879 ..	5,183	5,453	..	5,453	3	
	Vellakal	1889 ..	5,307	5,037	1,305	3,732	22	
	Ambur	1887 ..	27,878	27,878	2,060	25,818	107	
	Athiyur	1889 ..	4,800	4,800	172	4,628	38	
	Palamadi	1880 ..	8,160	8,160	1,531	6,629	90	
	Tellai (Vellore portion) ..	1891 ..	1,330	1,330	861	469	27	
	Karuthamalai	1882 ..	20,486	20,486	355	20,131	48	
	Kylasagiri	1892 ..	2,524	2 534	800	1,734	47	
	Kaniyambadi	1892 ..	5,472	Transferred to General Protection.				
	Shanankuppam	1893 ..	13,843	Do.		do.	..	
	Appukkal	1892 ..	800	Do.		do.	..	
	Banavaram	1880 ..	1,022	1,022	..	1,022	6	
	Punganur	1884 ..	13,498	13,498	4,831	8,667	34	
	Ammur	1884 ..	5,139	5,139	..	5,139	32	
	Total, Vellore ..	..	133,342	113,227	14,241	98,986	621	
Pólúr ..	Karnatighur	1881 ..	7,270	7,270	..	7,270	120	
	Malayalam	1887 ..	28,614	28,615	146	28,469	154	
	Mulacad	1890 ..	15,744	15,744	810	14,934	134	
	Santavasal	1890 ..	9,670	9,670	80	9,590	53	
	Periamalai	1892 ..	6,970	6,970	60	6,910	56	
	Paruvadamalai	1892 ..	5,779	5,779	..	5,779	41	
	Thellai (Pólúr portion) ..	1891 ..	14,862	14,862	100	14,762	44	
	Vellimalai	1893 ..	2,003	2,003	25	1,978	18	
	Virappanur	1886 ..	31,469	31,469	..	31,469	7	
	Puttur	1879 ..	18,458	Transferred to General Protection				
	Kelur	1884 ..	2,989	2,989	..	2,989	6	
General Protection.	Total, Pólúr ..	..	143,828	125,371	1,221	124,150	633	
	Total, North Arcot, Special.	..	612,716	569,222	27,785	541,437	3,327	
Chittoor ..	Santhapet	1882 ..	2,149	2,148	80	2,068		
	Basavapalli A and B ..	1888 ..	1,784	1,784	..	1,784		
	Bommasamudram A and B.	1891 ..	1,128	1,128	..	1,128		
	Vavilthotta	1891 ..	2,495	2,107	..	2,107		
	Chittoor	1882 ..	385	385	..	385		
	Bommasamudram extension.	1892 ..	1,312	1,312	30	1,282		
	Kinatipalli extension ..	1893 ..	994	994	..	994		
	Basavapalle do. ..	1894 ..	841	841	..	841		*Nil.*
	Reddigunta	1893 ..	1,441	1,441	..	1,441		
	Chases hill	1893 ..	2,692	2,692	..	2,692		
	Iralla extension	1893 ..	2,650	2,650	..	2,650		
	Penumur	1891 ..	1,082	Transferred to Chendragiri Range.				
	Do. extension ..	1893 ..	3,123	Do.		do.		
	Santhapet ext. A, B & C.	1893 ..	482	483	..	483		
	Chilapallee ..	1884 ..	1,166	1,166	..	1,166		
	Mahimandalam	1888 ..	2,528	2,528	..	2,528		

Area of Forest Tracts protected from Fire during 1903–1904—*cont.*

District.	Forest tracts.	Year in which protection commenced.	Area protected during the previous year.	During dry season of 1904.			Cost during the season.	Remarks.
				Area attempted to be protected.	Fires.	Actually protected.		
1	2	3	4	5	6	7	8	9
North Arcot —*cont.*	*Central Circle*—cont.							
General Protection—*cont.*	Veerisettipalli	1888 ..	7,287	7,044	..	7,044		
	Keenatipalli	1884 ..	1,417	1,417	..	1,417		
	Do. extension B ..	1893 ..	..	25	..	25		
	Pudipatlabylu	1880 ..	..	4,294	..	4,294		
Chittoor —*cont.*	Damalcherla A and B ..	1892 ..	..	2,368	..	2,368		
	Total, Chittoor ..	..	34,956	36,807	110	36,697		
Chandragiri.	Sanambatla	1892 ..	5,139	5,139	45	5,094		
	Pakala A and B	1894 ..	2,035	150	..	150		
	Napier extension	1900 ..	26	26	..	26		
	Penumur (Chandragiri portion)	1893 ..	1,350	1,350	..	1,350		
	Padipatlabylu	1880 ..	4,294	Transferred to Chittoor Range.				
	Damalcherla A and B ..	1892 ..	2,368	Do.		do.		
	Panapakam extension ..	1892 ..	9,082	152	..	152		
	Chandragiri hill	1892 ..	1,293	93	..	93		
	Penumur extension A & B.	1893 ..	..	200	..	200		
	Do. (Chittoor portion)	1891 ..	..	1,082	..	1,082		
	Total, Chandragiri ..	..	25,587	8,192	45	8,147		
Palmanér ..	Basivireddipalli	1884 ..	5,253	5,253	509	4,744		
	Palmanér plantation ..	1884 ..	2	..	..	..		
	Nagamangalam tope ..	1884 ..	20	..	..	..		
	Peduguvaripalli do. ..	1884 ..	4	..	..	..		
	Venkatagirikota do. ..	1884 ..	9	..	..	..		
	Baireddipalli do. ..	1884 ..	4	..	..	..		
	Melmoy	1884 ..	1,568	1,568	300	1,268		
	Patticonda	1893 ..	5,190	5,190	..	5,190		
	Musalimadugu extension.	1895 ..	1,875	1,875	..	1,875		
	Basivireddipalli A ..	1895 ..	2,170	2,170	185	1,985		
	Do. B ..	1895 ..	5,792	5,792	305	5,487		
	Alapalli	1895 ..	2,029	2,029	..	2,029		
	Nellipatla	1895 ..	7,134	7,135	230	6,905		
	Virlabunda	1895 ..	2,569	2,569	150	2,419		
	Thotakanama	1895 ..	4,710	4,710	405	4,305		
	Peddur extension	..	..	9,205	..	9,205	*Nil.*	
	Total, Palmanér ..	..	38,329	47,496	2,084	45,412		
Gudiyáttam.	Tiruvallam plantation ..	1884 ..	431	..	..	..		
	Virinjipuram do. ..	1884 ..	260	..	..	..		
	Senur do. ..	1884 ..	130	..	..	..		
	Ammundi do. ..	1884 ..	160	..	..	..		
	Thandrayagunta plantation	1884 ..	3	..	..	..		
	Vikramasi	1884 ..	129	..	..	..		
	Pallalaeuppam	1892 ..	6,728	6,728	150	6,578		
	Do. extension A and B.	1893 ..	5,883	1,000	..	1,000		
	Bommanaikenpaliem ..	1894 ..	913	113	..	113		
	Kempasamudram A and B.	1893 ..	1,414	1,014	80	934		
	Kallapady	1894 ..	6,945	Transferred to Special protection.				
	Jangalapally	1884 ..	2,625	Do.		do.		
	Paraaarami extension ..	1889 ..	..	888	..	888		
	Synagunta do. A & B.	1892 ..	..	2,496	..	2,496		
	Gundapalle do. ..	1894 ..	..	928	..	928		
	Total, Gudiyáttam ..	..	25,621	13,167	230	12,937		
Vellore ..	Ambúr plantation ..	1884 ..	6	..	..	..		
	Vellore	1892 ..	2,413	2,413	300	2,113		
	Palliconda	1892 ..	3,898	3,898	420	3,478		
	Nellimalai	1892 ..	2,797	2,797	5	2,792		
	Parvamalai	1892 ..	7,078	7,078	..	7,078		
	Kilminnal plantation ..	1884 ..	150	..	..	..		
	Sennaleri	1884 ..	1,675	..	..	..		
	Sattur	1884 ..	750	..	..	..		
	Thandappan Thangal ..	1884 ..	1,099	..	..	..		
	Enadivadi	1884 ..	1,565	..	..	..		
	Sholavaram	1884 ..	1,184	..	..	..		
	Do. extension ..	1895 ..	885	..	..	..		
	Thandappan Thangal extension	1895 ..	310	..	..	..		
	Vannivedu plantation ..	1884 ..	39	..	..	..		

Area of Forest Tracts protected from Fire during 1903-1904—*cont.*

District.	Forest tracts.	Year in which protection commenced.	Area protected during the previous year.	During dry season of 1904.			Cost during the season.	Remarks.
				Area attempted to be protected.	Fires.	Actually protected.		
1	2	3	4	5	6	7	8	9
	Central Circle—cont.		ACS.	ACS.	ACS.	ACS.	RS.	
North Arcot —*cont.*								
General protection —*cont.*	Gudalur	1884 ..	535	..	..	..		
	Ananthapuram	1880 ..	540	..	..	..		
	Ammanur	1880 ..	203	203	..	203		
	Kolathur	1884 ..						
Vellore —*cont.*	Arkonam plantation ..	1884 ..	1,729	..	..	..		
	Head Assistant Collector's compound	1884 ..	58 4	.. ..	.. ..	.. ..		
	Kaniyambadu	1892 ..	..	5,472	390	5,082		
	Appukal	1892 ..	..	800	150	650		
	Sanancuppam	1893 ..	..	13,843	1,423	12,420		
	Total, Vellore ..	..	26,918	36,504	2,688	33,816		
Pólúr ..	Arasambut	1884 ..	12,824	12,824	..	12,824		
	Amerdi plantation ..	1884 ..	25	..	..	..		
	Patracad	1881 ..	25,254	25,254	660	24,594		
	Kappalur	1884 ..	1,504	1,504	25	1,479	*Nil.*	
	Alialamangalam	1884 ..	10,027	10,027	..	10,027		
	Santavasal extension A and B.	1892 ..	331	331	..	331		
	Brahmanakateri	1884 ..	561	561	..	561		
	Kodiyalam	1884 ..	243	243	..	243		
	Badur A and B.	1884 ..	835	835	..	835		
	Vengunam	1884 ..	1,288	1,288	..	1,288		
	Nambedu	1884 ..	947	947	..	947		
	Vishamangalam	1884 ..	1,148	1,148	..	1,148		
	Ponnur	1884 ..	1,656	1,656	..	1,656		
	Nedungal	1884 ..	2,298	2,298	..	2,298		
	Nambedu extensions A, B and C.	1895 ..	397	397	..	397		
	Nedungunam	1884 ..	1,697	1,697	..	1,697		
	Puthur	1879 ..	..	18,458	..	18,458		
	Total, Pólúr ..	..	61,035	79,468	685	78,783	..	
	Total, General Protection.	..	212,446	221,634	5,842	215,792	..	
	Total, Special Protection.	..	612,716	569,222	27,785	541,437	3,327	
	Total, North Arcot, Special and General Protection.	..	825,162	790,856	33,627	757,229	3,327	
South Arcot—Special protection. Tiruvannámalai range.	Annamalai	1878 ..	2,600	2,640	..	2,640	109	
	Kavuthumalai	1878 ..	7,085	7,085	1	7,084	77	
	Tenmalai	1877 ..	27,706	31,706	1,315	30,391		
	Nallapattu	1889 ..	5,094	5,094	..	5,094		
	Pelamarudur	1889 ..	5,075	5,075	..	5,075	97	
	Paramanandal	1895 ..	1,417	1,517	..	1,517		
	Mudanai	1898 ..	7,046	7,046	..	7,046		
	Valasamalai	1883-84 ..	11,969	12,369	..	12,369	113	
	Nattampalli	1889 ..	7,270	7,270	..	7,270	92	
	Perunkolathur-Swamimalai.	1883-84 ..	9,312	9,312	55	9,257	45	
	Chinnasamudram ..	1900 ..	2,838	2,842	1	2,841	..	
	Damarakadu	1900 ..	3,760	3,764	5	3,759	27	
Kallakurchi range.	Tagarai	1883-84 ..	14,325	14,338	..	14,338	183	
	Total, South Arcot ..	..	105,497	110,058	1,377	108,681	743	
North Salem Special protection. Tiruppattúr range.	Singarapet	1881 ..	2,418	2,636	..	2,636	59	
	Total, Tiruppattúr ..	..	2,418	2,636	..	2,636	59	
Hosúr range.	Melagiri	1885 ..	5,176	5,461	..	5,461	91	
	Kanavoi Kottapalli ..	1885 ..	442	742	..	742	26	
	Gulhatti	1885 ..	3,241	3,248	..	3,248	68	
	Manchi	1885 ..	755	3,305	200	3,105	128	
	Kanavanagasamudiram ..	1885 ..	336	416	..	416	24	
	Total, Hosúr ..	..	9,950	13,172	200	12,972	337	
	Total, North Salem Special.	..	12,368	15,808	200	15,608	396	

Area of Forest Tracts protected from Fire during 1903–1904—*cont.*

District.	Forest tracts.	Year in which protection commenced.	Area protected during the previous year.	During dry season of 1903.			Cost during the season.	Remarks.
				Area attempted to be protected.	Fires.	Actually protected.		
1	2	3	4	5	6	7	8	9
	Central Circle—cont.		ACS.	ACS.	ACS.	ACS.	RS.	
North Salem—General protection. Tiruppattúr range.	Alangayam	1891 ..	990	1,302	..	1,302	49	
	Narasingapuram	1893 ..	866	457	50	407	28	
	Kalarapatti	1895 ..	1,250	728	..	728	30	
	Pungulam coupes	1895-96 ..	1,200	800	..	800	33	
	Mambakkam	1894 ..	120	..	..	..	..	
	Andiappanur	1894 ..	1,480	1,135	..	1,135	45	
	Govindapuram	1895 ..	1,669	815	..	815	39	
	Kottur (Yelagiri) ..	1885 ..	1,200	1,225	..	1,225	46	
	Onnakarai	1897 ..	3,000	1,363	..	1,363	62	
	Kallavi	..	1,230	1,303	..	1,303	71	
	Burgur block	1892 ..	1,806	..	..	..	..	
	Kothur do.	1883 ..	2,345	1,200	..	1,200	48	
	Neralakottai	1893 ..	1,269	1,452	..	1,452	58	
	Maharajagudai	1896 ..	1,399	1,736	..	1,736	77	
	Mangalam	1901-02 ..	781	981	..	981	63	
	Elavambadi	1902-03 ..	482	726	..	726	22	
	Total, Tiruppattúr ..	..	21,087	15,223	50	15,173	671	
Hosúr range.	Javlagiri	1900 ..	5,155	5,160	15	5,145	100	
	Noganur coupe	1900 ..	252	338	..	338	28	
	Total, Hosúr ..	..	5,407	5,498	15	5,483	128	
	Total, North Salem, general.	..	26,494	20,721	65	20,656	799	
	Total, North Salem, special and General.	..	38,862	36,529	265	36,264	1,136 + (*a*) 59	
South Salem.	Shevaroys South Working Circle new coupe.	1901 ..	1,559	2,022	..	8,351	169	
	Pannikaradu specially protected block.	1882 ..	1,729	1,929				
	Kurumbapatti old coupes 1—25.	1897 ..	4,000	4,000				
	Nagaramalai reserve ..	1901 ..	300	400				
	Shevaroys East Working Circle new coupes 1 and 2.	1902 ..	884	1,393	..	2,393	142	
	Kapputhu old coupe 1—3.	1897 ..	1,000	1,000				
	Gothamalai old coupes 1—24.	1903 ..	..	2,000	15	1,985	47	
	Vadugampatti specially protected block.	1881 ..	1,974	1,976	..	1,976	..	
	Morur specially protected block of Lokur reserved forest.	1881 ..	799	799	..	799	34	
	Ammaneri specially protected block No 8.	1882 ..	252	252	..	252	9	
	Pillapalli Kombai specially protected block No. 7 of Pilapalli reserve,	1882 ..	981	1,431	360	1,071	4	
	Kuriappu kombai specially protected block.	1897 ..	181					
	Karuvattuparai specially protected block.	1883 ..	837	837	..	837	10	
	Shevaroys West Working Circle.	1900 ..	1,106	3,431	1,200	2,231	68	
	Atur ghat coupes 1—5 ..							
	Kanjeri specially protected block.	1882 ..	1,929					
	Sanyasimalai plantation ..	1904 ..	..	480	100	380	1	
	Vanavasi working Circle coupes 1 and 2.	1904 ..	..	294	..	294	..	
	Konur coupes 1 and 2 ..	1904 ..	..	373	..	373	..	
	Suriamalai	1904 ..	..	524	..	524	..	
	Lokur Working Circle Manakondamalai coupes 1—3.	1904 ..	..	1,398	..	1,398	..	
	Pattimedu old coupe ..	1902 ..	20	20	..	20	7	
	Do. new coupe ..	1902 ..	50	50	..	50		
	Panamadal new coupe ..	1902 ..	50	50	..	50	5	
	Do. old coupe ..	1902 ..	60	60	..	60	7	
	Mannur coupe	1902 ..	101	136	..	136	9	
	Nagalur old coupe ..	1882 ..	40	60	..	60	9	

(*a*) Added as per Accountant-General's audited figures.

Area of Forest Tracts protected from Fire during 1903–1904—*cont.*

District.	Forest tracts.	Year in which protection commenced.	Area protected during the previous year.	During dry season of 1904.			Cost during the season.	Remarks.
				Area attempted to be protected.	Fires.	Actually protected.		
1	2	3	4	5	6	7	8	9
	Central Circle—cont.		ACS.	ACS.	ACS.	ACS.	RS.	
South Salem—*cont.*	Harur specially protected block.	1882 ..	549	1,029	..	1,029	48	
	Mallapuram specially protected block.	1882 ..	606	606	..	606	44	
	Kouramalai old coupes ..	1898 ..	609	609	..	609	4	
	Harur Working Circle coupes 1 — 3.	..	..	..	..	..	..	
	A series	1904 ..	..	447	..	447	13	
	B ,, ...	1904 ..	..	302	..	302	28	
	C ,, ...	1904 ..	..	156	49	107	16	
	D ,, ...	1902 ..	111	323	21	302	63	
	E ,, ...	1902 ..	82	165	..	165	28	
	Ponniar Working Circle.	1902 ..	460	480	15	465	25	
	Shevaroys North Working Circle, coupes 1—3	1902 ..	1,201	1,803	1,000	803	71	
	Kouramalai Working Circle, coupes 1—3.	1902 ..	820	1,231	..	1,231	129	
	Chitteri South-West Working Circle, coupes 1—3.	1902 ..	903	1,354	..	1,354	28	
	Chitteri North Working Circle, coupes 1—3 ..	..	..	..	..	..	..	
	A series	1904 ..	..	1,355	..	1,355	32	
	B ,, ...	1902 ..	902	1,351	..	1,351	80	
	Mukkanur	1901 ..	960	..	..	..	..	
	Total, South Salem, Special and General.	..	25,055	36,126	2,760	33,366	* 1,241	*Include Rs. 111 spent on general protection.
Trichinopoly, General	Sengattupatti	1885–86 ..	3,000	3,000	150	2,850		
Musiri range.	Manmalai	1887–88 ..	6,000	6,000	150	5,850		
	T. Kanapadi	1887–88 ..	12,000	12,000	..	12,000		
	Karappan Kadu Thittu ..	1887–88 ..	2,000	2,000	..	2,000		
	Mélúr	1885–86 ..	3,000	3,000	..	3,000		
	V. Kanappadi	1887–88 ..	10,000	10,000	..	10,000		
	Palamalai	1888–89 ..	10,000	10,000	..	10,000		
	Kaliammankoil Thittu ..	1889–90 ..	1,500	1,500	..	1,500		
	Kanappadi Kannimarsolai.	1889–90 ..	2,560	2,560	..	2,560	† 187	† The amount paid to Malayalees on the Pachamalais with whom agreements are entered into for keeping the lines clear and preserving the forests safe from fire.
	Manalodai	1885–86 ..	5,000	5,000	9	4,991		
Perambalúr range.	Sholamathi	1885–86 ..	6,000	6,000	..	6,000		
	Selaiyur	1889–90 ..	1,600	1,600	..	1,600		
	Puliyur	1890–91 ..	10,000	10,000	..	10,000		
	Sengathur	1890–91 ..	10,000	10,000	..	10,000		
	Valaiyur	1900–1901.	1,655	1,655	..	1,655		
	Arasadi Arivittu ..	1900–1901.	3,541	3,541	.	3,541		
	Pulambadi No. I	1900–1901.	2,494	2,494	5	2,489		
	Total, Trichinopoly, General.	..	90,350	90,350	314	90,036	187	
	Total, Central Circle, Special.	..	755,636	731,214	32,122	699,092	5,707	
	Total, Central Circle, General.	.	836,250	832,456	161,469	670,987	6,666	
	Grand Total, Central Circle, Special and General.	..	1,591,886	1,563,670	193,591	1,370,079	12,373	
				Special Protection.				
South Canara. Coodapoor range.	Sarpanamane	1886–87 ..	771	796	7	789	45	
	Savantagudde	1896–97 ..						
	Honnukodlu	1894–95 ..	584	584	..	584	33	
	Herur	1893–94 ..	2,824	2,862	23	2,839	96	
	Talabmane	1895–96 ..	611	611	..	611	34	
	Chittur	1895–96 ..	2,234	2,234	11	2,223	35	
	Kadike	1895–96 ..	2,732	2,735	24	2,711	34	
	Karnigadde	1895–96 ..	1,161	1,161	..	1,161	36	
	Total, Coondapoor range.		10,917	10,983	65	10,918	313	

Area of Forest Tracts protected from Fire during 1903-1904—*cont.*

District.	Forest tracts.	Year in which protection commenced.	Area protected during the previous year.	During dry season of 1903.			Cost during the season.	Remarks.
				Area attempted to be protected.	Fires.	Actually protected.		
1	2	3	4	5	6	7	8	9
South Canara (Special)—*cont.*	*Southern Circle*—cont.		ACS.	ACS.	ACS.	ACS.	RS.	
Udipi range.	Chinkramale	1885-86 ..	2,515	2,560	474	2,086	44	
	Tenkahola	1886-87 ..	2,039	2,039	..	2,039	27	
	Mavinakodlu	1895-96 ..	1,627	1,627	25	1,602	30	
	Huvakladi timber coupe I.	..	1,280	1,280	..	1,280	54	
	Jatkatmale	1897-98 ..	1,366	1,386	45	1,341	25	
	Durgamale	..	1,562	1,601	24	1,577	33	
	Total, Udipi range ..	..	10,389	10,493	568	9,925	213	
Mangalore range.	Munjimale	1894-95 ..	3,140	3,200	62	3,138	25	
	Todar	1889-90 ..	420	458	4	454	29	
	Hosabettu	..	374	376	5	371	30	
	Naninjemale	1897-98 ..	1,425	1,459	49	1,410	31	
	Panamberi	1902-1903.	570	640	69	571	21	
	Huralse	1903-1904.	..	555	50	505	20	
	Kodiamale	..	..	1,169	46	1,123	45	
	Total, Mangalore range ..	..	5,929	7,857	285	7,572	201	
Uppinangadi range.	Dharmastala	1887-88 ..	3,334	4,998	..	4,998	68	
	Porkala	1902-1903.	4,461	4,558	5	4,553	5	
	Mujur	1901-1902.	10,026	10,106	10	10,096	103	
	Miyar	..	16,535	17,533	..	17,533	22	
	Kombar	..	9,367	9,396	3	9,393	40	
	Kidu	..	6,386	6,414	15	6,399	40	
	Konaje	..	6,574	6,632	..	6,632	56	
	Padnur	1902-1903.	3,055	3,157	450	2,707	33	
	Kunthur	..	3,944	3,945	91	3,854	34	
	Nerankimale	..	3,960	3,960	23	3,937	27	
	Nidle	..	3,269	..	..	..	..	
	Shibagi	..	956	3,456	..	3,456	23	
	Kadimbila	..	462	1,848	..	1,848	9	
	Total, Uppinangadi range.	..	72,329	76,003	597	75,406	460	
Puttur range.	Parappa	1896-97 ..	2,460	2,560	150	2,410	72	
	Kanakamajlu	1899-1900.	2,154	2,249	72	2,177	63	
	Pumale	1897-98 ..	3,840	3,840	125	3,715	67	
	Jalsur felled area	1900-1901.	5,120	5,120	..	5,120	22	
	Total, Puttur range ..	..	13,574	13,769	347	13,422	224	
	Total (Special) ..	..	113,138	119,105	1,862	117,243	1,411	
General—								
Coondapoor range.	Sabladi	1884-85 ..	208	208	..	208	6	
	Kasankatte	1893-94 ..	262	262	..	262	15	
	Harkar	..	858	858	..	858	18	
	Darligudde	..	168	168	..	168	8	
	Mudaregudde	1893-94 ..	356	356	4	352	14	
	Abbigudde	1897-98 ..	1,434	1,434	..	1,434	35	
	Baindur	..	5,795	5,795	71	5,724	6	
	Total, Coondapoor range..	..	9,081	9,081	75	9,006	102	
Udipi range.	Pilarkan	1883-84 ..	320	320	4	316	2	
	Manaje	1886-87 ..	423	423	..	423	9	
	Jarvattu	1894-95 ..	418	418	..	418	6	
	Hale Someshwar	1895-96 ..	1,885	1,895	53	1,842	10	
	Mensinkan	1896-97 ..	1,005	1,008	11	997	6	
	Matkalgudde	1897-98 ..	251	251	..	251	4	
	Total, Udipi range ..	..	4,302	4,315	68	4,247	37	
Uppinangadi.	Shiradi extension ..	1902-1903.	883	883	..	883	4	

Area of Forest Tracts protected from Fire during 1903-1904—*cont.*

Districts.	Forest tracts.	Year in which protection commenced.	Area protected during the previous year.	During dry season of 1903-1904.			Cost during the season.	Remarks.
				Area attempted to be protected.	Fires.	Actually protected.		
1	2	3	4	5	6	7	8	9
South Canara (Special)—*cont.*	*Southern Circle*—cont.		ACS.	ACS.	ACS.	ACS.	RS.	
Pattur range.	Virakhamba	1897-98 ..	1,683	1,683	40	1,643	..	
	Kalanjimali	1898-99 ..	3,049	3,049	80	2,969	20	
	Kilarmate plantation ..	1901-1902.	100	100	..	100	4	
	Muliyar	1903-1904.	..	2,116	11	2,105	57	
	Total ..	..	4,832	6,948	131	6,817	81	
	Total (General) ..	..	19,098	21,227	274	20,953	224	
	Total (Special) ..	..	113,138	119,105	1,862	117,243	1,411	
	Total, South Canara (Special and General).	..	132,236	140,332	2,136	138,196	1,635	
	Add last year's charges paid this year						89	
						Total ..	1,724	
	Deduct—Cash recovery and payments made in July 1904 included in the statement ..						17	
							1,707	
North Malabar (Special)—	Begar	1882-83 ..	7,075	15,366	76	15,290		
	Chedleth	1887-88 ..	9,000	57,307	6,000	51,307		
	Kanoth	1894-95 ..	300	330	..	330		
	Total (Special) ..	..	16,375	73,003	6,076	66,927		
North Malabar (General)—	Begar	1882-83 ..	7,773	..	..	..	(*b*) + 6,957	
	Perra	1894-95 ..	6,400	6,400	..	6,400		
	Total (General) ..	..	14,173	6,400	..	6,400		
	Total, North Malabar (Special and General).	..	30,548	79,403	6,076	73,327		
South Malabar (Special)—								
Nilambúr range.	Amarampalem	1860-61 ..	468	468	..	468	58	
	Chathanborai	1872-73 ..	624	624	..	624	91	
	Teak plantations	1842-43 ..	3,516	3,516	..	3,516	507	
	Edakode natural forests ..	1898-99 ..	400	400	..	400	25	
	Arimbrakuthmala ..	1899-1900.	322	322	..	322	44	
	Total, Nilambúr range.	..	5,330	5,330	..	5,330	725	
Amarampalam range.	Karimpoya	1884-85 ..	3,955	3,955	..	3,955	318	
	Nellikutta	1883-84 ..	1,824	1,824	..	1,824	183	
	New Amarampalam ..	1889-90 ..	75,000	75,000	..	75,000	220	
	Kariem Mariem forests ..	1901-1902.	2,716	2,716	..	2,716	193	
	Total, Amarampalam range.	..	83,495	83,495	..	83,495	914	
Palghat range.	Chenat Nair	1884-85 ..	15,203	15,203	(*a*) 640	14,563	385	
	Tamparatti pottai ..	1891-92 ..	124	124	..	124	15	
	Dhoni	1898-99 ..	45	45	..	45	15	
	Pulliampalli tope	1900-1901.	20	20	..	20	5	
	Total, Palghat range ..	..	15 392	15,392	640	14,752	420	
	Total, South Malabar (Special).	..	104,217	104,217	640	103,577	2,059 (*b*) — 32	
The Nilgiris. (Special)—	Mudumalai teak plantation.	1883 ..	25	25	..	25	864	
	Benne teak plantation ..	1886 ..	40	40	..	40		
	Benne experimental block.	1893 ..	179	179	..	179		
	Tuckles of 1896 and 1899.	1899 ..	25	25	..	25		
	Margadi block	1883 ..	2,631	2,781	..	2,781		
	Marigudi blocks Nos. IV and V.	1898 ..	2,686	2,686	..	2,686		
	Moyar reserve forest (east)	1886 ..	3,990	4,000	80	3,920	892	
	Northern Hay sandalwood plantation.	1883 ..	22	22	..	22		
	Sandalwood tracts in Sigur reserve forest.	1899 ..	1,240	600	..	600		

(*a*) The damage done is confined to grass only.

(*b*) Added or deducted as per Accountant-General's audited figures.

Area of Forest Tracts protected from Fire during 1903-1904—*cont.*

District.	Forest tracts.	Year in which protection commenced.	Area protected during the previous year.	During dry season of 1903.			Cost during the season.	Remarks.
				Area attempted to be protected.	Fires.	Actually protected.		
1	2	3	4	5	6	7	8	9
	Southern Circle—cont.		ACS.	ACS.	ACS.	ACS.	RS.	
	Moyar west Kallmalai blocks.	1904 ..	..	8,976	600	8,376	892	
	Chemmanguli	1883 ..	25	25	..	25		
	Aranakal	1883 ..	9	9	..	9		
	Governor's Shola No. I ..	1883 ..	25	25	..	25		
	Do. No. II ..	1883 ..	30	30	..	30		
	Andi	1883 ..	17	17	..	17		
	Upatti	1883 ..	12	12	..	12		
	Sheffield	1883 ..	25	25	..	25		
	Culli	1883 ..	17	17	..	17	298	
	Chowghat Culli	1883 ..	26	26	..	26		
	Madanah	1883 ..	8	8	..	8		
	Baikie	..	50	50	..	50		
	Arambi	..	430	430	..	430		
	Marlimund	..	11	11	..	11		
	Cairn Hill	..	405	405	..	405		
	Muttunad	1898 ..	80	80	..	80		
	Kullar reserved forest ..	1883 ..	919	919	..	919		
	Burliyar	1883 ..	178	178	..	178		
	Ghaut reserve	1883 ..	247	247	..	247		
	Coonoor peak	1883 ..	259	259	..	259		
	Bandishola	1883 ..	111	111	..	111		
	Sim's Park, block No. I.	1883 ..	48	48	..	48		
	Blackbridge	1883 ..	40	40	..	40		
	Little Rallia	1883 ..	10	10	..	10	425	
	Newman reserved forest ..	1883 ..	35	35	..	35		
	Rallia ,, ,,	1883 ..	60	60	..	60		
	Longwood addition ,,	1883 ..	350	350	..	350		
	Kunjapani sandalwood area.	1898 ..	640	640	..	640		
	Bleakhouse	1899 ..	57	57	..	57		
	Springfield	1899 ..	30	30	..	30		
	Sim's Park, No. II ..	1899 ..	36	36	..	36		
	Total, the Nilgiris(Special).	..	15,028	23,524	680	22,844	2,479	
The Nilgiris —*cont.*	*General.*							
	Ulnad	1883 ..	839	839	..	839		
	Mukurty	1888 ..	1,324	1,324	..	1,324		
	Kururmand	1883 ..	1,552	1,552	..	1,552		
	Kundahs	1885 ..	42,505	42,505	..	42,505		
	Pichelbettu	1886 ..	1,668	1,668	..	1,668		
	Kadkupa	1886 ..	1,622	1,622	..	1,622		
	Nanjanad	1893 ..	914	914	..	914		
	Vellingiri	1886 ..	391	391	..	391		
	Karpakan	1886 ..	643	643	..	643		
	Pykara	1893 ..	844	844	..	844		
	Yemmakal	1886 ..	465	465	..	465		
	Hiriashigai	1887 ..	3,026	3,026	..	3,026		
	Thaishola	1885 ..	1,551	1,551	..	1,551		
	Muthanad	1883 ..	340	340	..	340		
	Bikkapathi	1894 ..	1,945	1,945	..	1,945		
	Naduvattam	1885 ..	3,411	3,411	..	3,411		
	Ouchterlony	1886 ..	973	973	..	973		
	Nilgiri peak	..	5,962	5,962	..	5,962	607	
	Chinna Coonoor	1894 ..	14	14	..	14		
	Kengal	..	14	14	..	14		
	Kodanad	1895 ..	40	40	..	40		
	Huppatti	..	491	491	..	491		
	Kajuchi	..	475	475	..	475		
	Iduhatti	..	15	15	..	15		
	Bathrishola	1884 ..	34	34	..	34		
	Dodabetta	..	758	758	..	758		
	Jakuntha	..	373	373	..	373		
	Honnathalai	..	320	320	..	320		
	Keriyada	..	276	276	..	276		
	Kengdu	..	451	451	..	451		
	Brooklands	..	177	177	..	177		
	Lovedale (East)	..	127	127	..	127		
	Benhope reserve	1885 ..	75	75	..	75		
	Blackbridge	1883 ..	350	350	..	350		
	Devashola, north and south.	1883 ..	211	211	..	211		
	Jaskal south plantation ..	1902 ..	5	5	..	5		
	Total, General ..	..	74,181	74,181	..	74,181	607	
	Total, the Nilgiris (Special and General).	..	89,209	97,705	680	97,025	3,086	

Area of Forest Tracts protected from Fire during 1903-1904—*cont.*

District.	Forest tracts.	Year in which protection commenced.	Area protected during the previous year.	During dry season of 1903-1904.			Cost during the season.	Remarks.
				Area attempted to be protected.	Fires.	Actually protected.		
1	2	3	4	5	6	7	8	9
	Southern Circle—cont.		ACS.	ACS.	ACS.	ACS.	RS.	
Coimbatore, district, North.	Hassanur sandalwood compartment—Satyamangalam range.	1895-96 ..	2,140	2,140	6	2,134	117	
	Minchiguli Working Circle—Minchiguli range.	1902-1903.	20,480	3,136	60	3,076	46	
	Talamalai sandalwood compartment.	1897-98 ..	589	589	..	589	54	
	Badagalli sandalwood compartment — Talamalai range.	1896-97 ..	662	685	48	637	30	
	Talamalai reserve	1901-1902.	40,210	2,140	..	2,140	..	
	Hugathur betta block ..	1903-1904.	..	3,067	960	2,107	60	Cost included in Hassanur sandal compartment.
	Bailur sandalwood compartment — Kollegal range.	1895-96 ..	2,952	3,034	..	3,034	195	
	Udaiyárpálaiyam sandalwood compartment—Kollegal range.	1895-96 ..	1,504	1,321	..	1 321	145	
	Jadathadi sandalwood compartment—Kollegal range.	1895-96 ..	235	235	1	234	49	
	Alluvarai block ..	1903-1904.	..	4,313	..	4,313	61	
	Arepalayam and Gundila working circles.	1903-1904.	..	3,144	53	3,091	32	
				1,846	..	1,846	32	
	Total, Coimbatore North, (Special).	..	68,772	25,650	1,128	24,522	821-(*a*) 31	
Coimbatore, South (Special protection)—Tunacadavu and Pollachi.	Tekadi leased forests and portion of Tunacadavu reserve No. I.	1882-83 ..	26,249	26,374	..	26,374	925	
Pollachi ..	Punachi reserve No. II ..	1888-89 ..	2,880	2,880	45	2,835	486	
Udamalpet ..	Dhali block ..	1888-84 ..	485	485	..	485	112	
Mettupálaiyam.	Singaratope Working Circle of Olanthorai block.	1891-92 ..	777	777	..	777	102	
Bolampatti.	Sholakarai.	1883-84 ..	1,106	1,157	..	1,157	1,104	
	Thenkaradu. In Bolampatti block I.		353	393	50	343		
	Keerapatti.		2,240	2,260	..	2,260		
	Oratti .		1,136	1,136	320	816		
	Kuchimalai.		1,545	1,545	..	1,545		
	Noyel . In Bolampatti block II.		10,920	10,920	94	10,826		
	Velliyangiri		5,190	5,240	214	5,026		
	Varadimudi.		7,960	7,960	..	7,960		
	Kanavarai . In Bolampatti block III and portions of blocks II and IV.		13,825	13,880	116	13,764		
	Walayar reserve	1873-74 ..	3,017	3,017	..	3,017		
	Total, Coimbatore South, (Special protection).	..	77,683	78,024	839	77,185	2,729	
Coimbatore, South (General protection)—Tunacadavu and Pollachi	Tunacadavu reserve No. I.	..	254,727	256,847	3,200	250,637	..	
Pollachi ..	Punachi reserve No. II.	..			3,010			
Udamalpet	Amravati ,, ,, III.	..						
Tunacadavu, Pollachi and Udamalpet.	Anamalai ,, ,, IV.	..						

(*a*) Deducted as per Accountant-General's audited figures.

Area of Forest Tracts protected from Fire during 1903–1904—*cont.*

Districts.	Forest tracts.	Year in which protection commenced.	Area protected during the previous year.	During dry season of 1903–1904.			Cost during the season.	Remarks.
				Area attempted to be protected.	Fires.	Actually protected.		
1	2	3	4	5	6	7	8	9
	Southern Circle—cont.		ACS.	ACS.	ACS.	ACS.	RS.	
Coimbatore, South—(General protection)—*cont*								
Bolampatti.	Bolampatti ,, No. I.	..			30			
	Do. ,, ,, II.	..						
	Do. ,, ,, III.	..						
Bolampatti and Méttupálaiyam.	Tadagam ,, ,, IV.	..						
	Gopanari ,, ,, V.	..	74,698	74,791	..	74,661	..	
Méttupálaiyam.	Kempampalayam reserve No. VI.	..						
	Nellithorai reserve No. VII.	..						
Bolampatti..	Small Sholakarai reserve No. X.	..						
	Sankararayapuram reserve	..			100			
Méttupálaiyam.	Odanthorai reserve No. VIII.	..	5,335	5,335	..	5,335	..	
	Modur reserve No. IX	..	5,805	5,805	..	5,805	..	
	Nellimalai reserve	..	1,882	1,882	..	1,882	..	
Udamalpet..	Elayamuthur reserve	..	762	762	..	762	..	
	Dhali reserve	..	145	145	..	145	..	
Méttupálaiyam.	Avanashi palmyra tope (*a*)	..	67	67	..	67	..	
	Total, General protection.	..	343,421	345,634	6,340	339,294	..	
	Total, South Coimbatore, Special and General.	..	421,104	423,658	7,179	416,479	..	
Madura (Special protection).	Amburuvi	1886–87 ..	10,771	10,771	..	10,771	110	
	Shengalvarayar	1885–86 ..	4,608	4,608	..	4,608	39	
	Pambar	1883–84 ..	3,468	4,243	550	3,693	5	
	Adukkam	1885–86 ..	2,890	3,200	..	3,200	..	
	Poombarai Vilpatti valley.	1884–85 ..	16,094	17,594	..	17,594	21	
	Karungal Dhoni Medu	1885–86 ..	1,914	1,964	..	1,964	..	
	Kookal	1886–87 ..	11,725	11,725	..	11,725	24	
	Kudrayar	1886–87 ..	12,535	13,235	..	13,235	15	
	Perumalmalai Chogavarai Shola.. Thalaiyarkadu Kadamaram	1886–87..	7,066	7,386	..	7,386	81	
	Gundan Shola plantation.	1886–87 ..	257	257	..	257	133	
	Oliyanuthu Odai	1888–89 ..	3,702	3,802	..	3,802	..	
	Upper Palni Sholas—							
	Perumalmalai Shola	1902–1903.	347	347	..	347	12	
	Anagiri Shola	1902–1903.	73	73	..	73	9	
	Tiger Shola	1902–1903.	1,846	1,866	..	1,866	44	
	Glenfalls Shola	1902–1903.	36	36	..	36		
	Parappar	1902–1903.	55	55	..	55		
	Nettle	1902–1903.	13	16	..	16		
	Kalarankavikanal	1902–1903.	52	52	..	52		
	Gundar	1902–1903.	438	438	..	438		
	Manavarthan	1902–1903.	56	56	..	56		
	Pannitulam	1902–1903.	16	16	..	16		
	Kundukadu	1902–1903.	332	332	..	332	622	
	Gundar valley	1902–1903.	3,988	3,988	..	3,988		
	Talkadukanal	1902–1903.	268	268	..	268		
	Kuttukalpadu	1902–1903.	36	36	..	36		
	Kilavarai	1902–1903.	36	36	..	36		
	Chandanur	1902–1903.	440	440	..	440		
	Pookkadu	1902–1903.	242	242	..	242		
	Swamikanal	1902–1903.	1,508	1,548	..	1,548	61	
	Kilanavayal	1902–1903.	568	568	..	568	24	
	Alagar Hill	1882–83 ..	16,838	16,838	220	16,618	402	
	Total, Madura—(Special).	..	102,218	106,036	770	105,266	1,602 (*a*)+ 15 1,617	

(*a*) Cost of putting out fires in Sirumalai reserved forest, Kanandipatty range.

Area of Forest Tracts protected from Fire during 1903–1904—*cont.*

Taluk.	Forest tracts.	Year in which protection commenced.	Area protected during the previous year.	During dry season of 1903–1904.			Cost during the season.	Remarks.
				Area attempted to be protected.	Fires.	Actually protected.		
1	2	3	4	5	6	7	8	9
Tinnevelly (Special protection)—	*Southern Circle*— cont.		ACS.	ACS.	ACS.	ACS.	RS.	
Srívilliputtúr.	Aiyanarkovil Working Circle.	1902 ..	4,185	4,722	540	4,182	172	
Sankaranainárkóyil.	Karupasamikoyil Working Circle.	1902 ..	6,154	6,155	..	6,155	167	
Tenkási ..	Kadayanallur Working Circle.	1902 ..	2,049	2,288	..	2,288	64	
	Kuttalam Working Circle.	1902 ..	2,605	2,644	105	2,539	23	
Ambásamudram.	Koilteri do.	1902 ..	2,656	2,013	260	1,753	249	
	Padirmalai do.	1902 ..	2,825	3,045	350	2,695	145	
Nángunéri ..	Kalakad do.	1902 ..	2,873	2,918	..	2,918	171	
	Tirukarungudi do.	1902 ..	2,535	2,538	..	2,538	146	
	Total (Special) ..	..	25,882	26,323	1,255	25,068	1,137 +(a) 153	
General.								
Srívilliputtúr.	Ghaut forests V and V (a).	1902 ..	33,090	38,783	120	38,663	126	
Sankaranayinárkóyil.	Do. IV and IV(a).	1902 ..	19,457	20,379	2,557	17,822	34	
Tenkási ..	Ghaut forests III, III (a) (b), (c) (c_2), (d), and extension Nos. 1 to 3 to Kuttalam reserve.	1902 ..	18,480	21,502	2,293	19,209	105	
Ambásamudram.	Ghaut forests II, II (a) and II (b).	1902 ..	77,249	104,740	1,860	102,880	103	
Nángunéri ..	Ghaut forests I (a) teak tract Mahendragiri and Vannamutty.	1902 ..	40,826	45,981	3,750	42,231	311	
	Total, General ..	..	189,102	231,385	10,580	220,805	679	
	Total, Tinnevelly, Special and General.	..	214,984	257,708	11,835	245,873	1,816 +(a) 153	
	Total, Southern Circle— (Special)	..	523,313	555,882	13,250	542,632	19,425	
	(General)	..	639,975	678,827	17,194	661,633	1,510	
	Total, Southern Circle, Special and General.	..	1,163,288	1,234,709	30,444	1,204,265	20,935	
	Total, Presidency— (Special)	..	1,463,058	1,519,409	129,277	1,390,132	32,062	
	(Genaral)	..	1,860,844	2,091,168	214,923	1,876,245	12,268	
	Grand Total, Presidency.	..	3,323,902	3,610,577	344,200	3,266,377	44,330	

(a) Added as per Accountant-General's audited figures.

Annual Form No. 52.

Forest Department, Madras Presidency.

Area closed and open to grazing during 1903–1904.

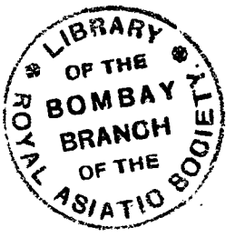
District.	Area in square miles.						
	Closed to all animals.		Closed to both goats and sheep.		Area closed to goats only.	Open to all animals.	Total forest area as per Form No. 44.
	Whole year.	Part of year.	Whole year.	Part of year.		Whole year.	
1	2	3	4	5	6	7	8
Northern Circle.	SQ. MLS.	SQ. MLS.	SQ. MLS.		SQ. MLS.	SQ. MLS.	SQ. MLS.
Ganjám	12	..	..	..	598	..	538 60
Vizagapatam	5	..	..	..	298 47	..	298 47
Gódávari	10 76	..	383	..	565 76	4 ..	952 76
Kistna	198	12	10	..	766 6	194 13	982 19
Kurnool	105	7	..	..	2,456 175	.. 11	2,463 186
Bellary	74	52	..	..	555	51	573 115
Anantapur	33	..	..	..	510	..	510
Total, Northern Circle ..	513	71	393	..	6,052	303	6,316 503
Central Circle.							
Cuddapah	11	..	..	..	2,202	158	2,213 147
Nellore	38	2	80	2	574	82 7	740 7
Chingleput	45	..	..	..	213	* 1	214
North Arcot	173	27	..	..	1,228	35	1,290
South „	14	..	..	..	663	..	663
North Salem	41	28	..	..	838	57	832 91
South „	45	..	..	..	726	7	728 5
Trichinopoly	23	..	..	..	301 14	.. ..	301 14
Tanjore	2	..	..	..	20	..	20
Total, Central Circle ..	392	57	80	2	6,779	347	7,001 264
Southern Circle.							
South Canara	16 1	..	..	..	662 408	..	662 408
North Malabar	29	..	..	..	231 25	..	231 25
South „	260	24	..	..	260	..	218 66
The Nilgiris	6 10	..	..	..	408 91	..	408 91
North Coimbatore	89	..	..	14	1,634	..	1,378 270
South „	27	..	..	..	662	..	662
Madura	109	1	..	..	560	49 9	610 9
Tinnevelly	244	38	..	..	399	..	437
Total, Southern Circle ..	791	63	..	14	5,340	58	4,606 869
Grand Total, Presidency ..	1,696	191	473	16	18,171	708	19,559
Do. 1902–1903 ..	1,867	50	3,145	..	15,355	955	19,455

* Half a square mile only, but put as 1 to round off fraction.

N.B.—The totals of columns 3, 4, 5, 6 and 7 equal column 8. The figure in column 6 includes the figures in column 2. Of the figures in brackets the upper one denotes the area of Reserved forests and the lower one the area of reserved lands.

FORM No. 53.

RETURN of Grazing in the State Forests of the Madras Presidency during 1903–1904.



FORM

RETURN of Grazing in the State Forests of the

(a) *Reserved forests notified under*

Grazing on payment. Number of animals.

Districts.	At enhanced or special rates.					At full rates.				
	Buffaloes.	Cows and bullocks.	Goats and sheep.	Other animals.	Fees received.	Buffaloes.	Cows and bullocks.	Goats and sheep.	Other animals.	Fees received.
1	2	3	4	5	6	7	8	9	10	11
Northern Circle.					RS.					RS.
Ganjám	..	..	..	..	..	10,147	43,303	574	..	11,978
Vizagapatam	(a) 73	(a) 2,807	(c) 2,556	..	1,058	1,147	18,118	1,178	..	3,938
Gódávari	(b) 9,390 (d) 911	(b)20,706 (d) 517	(b) (c) 1,525 (e) 7,264	..	13,759	5,309	19,808	(c) 180 9,728	..	6,634
Kistna	(h) 79 (i) 5 (j) 3,709 (k) 1,790	(l) 18 (m) 124 (n) 1,266 (n) 2,579 (o)28,149 (p)20,384 (q) 7,152	(n) (c) 489 (o) (c) 9,710 (q) (c) 43 (r) (c) 3,935 (p) 235 (r) 49,621	..	46,938	22,377	53,869	(c) 52,318 138,148	25	36,400
Kurnool	(a) 8,275	(a)68,140	(a) 43,254	..	26,579	4,351	41,534	(c) 2,001 76,980	..	16,824
Bellary	(a) 400	(a) 1,072	(a) 2,130	..	734	12,966	52,117	224,939	26	35,727
Anantapur	..	..	..	..	..	2,509	47,146	81,077	1	17,382
Total, Northern Circle ..	24,632	152,914	(c) 15,702 105,060	..	89,068	58,806	275,895	(c) 54,999 532,624	52	1,28,883
Central Circle.										
Cuddapah	..	..	(o) (e) 3,589	..	4,794	5,259	105,297	129,530	..	33,859
Nellore	..	..	(q) (c) 22,755	..	5,689	12,814	91,518	138,660	..	34,964
Chingleput	..	..	(q) (c) 60	..	15	3,578	36,013	44,850	..	12,299
North Arcot	..	..	..	..	..	2,820	115,005	100,486	..	32,042
South Arcot	(x) 12	(y)26,165 (x) 1,631	(x) 882	..	7,066	4,948	118,807	128,294	..	(z) 36,264
North Salem	(bb) 2,258	80,592	(c) 4,226 17,953	1	25,634	525	38,565	6,358	..	8,024
South Salem	..	(cc) 2,769	(c) 939 40	..	1,167	1,913	109,615	34,880	..	(dd)24,540
Trichinopoly	..	..	..	..	..	856	29,957	101,560	..	15,797
Tanjore	..	..	..	..	..	390	2,391	4,115	6	981
Total, Central Circle ..	2,270	111,157	(c) 37,569 18,875	1	44,365	33,103	647,168	688,733	6	1,98,670
Southern Circle.										
South Canara	..	..	..	..	..	2,840	18,927	..	..	(ee) 4,614
North Malabar	..	..	..	..	..	3,382	7,016	..	..	(ff)2,583
South Malabar	..	..	..	..	..	..	56	27	..	(gg) 13
The Nilgiris (hh)	..	..	..	..	..	11,559	20,875	631	85	8,682
North Coimbatore	(a) 8,826	(a)157,654	(a) 20,835	..	46,431	262	5,524	3,920	..	1,501
South Coimbatore	..	..	..	..	..	640	46,354	10,109	12	9,939
Madura	(ii) 257	44,153	(c) 41,556 20,957	339	24,260	..	..	..	..	..
Tinnevelly	..	..	..	..	..	716	20,711	24,812	..	(kk) 6,478
Total, Southern Circle ..	9,083	201,807	(c) 41,556 41,792	339	70,691	19,399	119,463	39,499	97	33,810
Grand Total, Reserved Forests, Presidency ..	35,985	465,878	(c) 94,827 165,727	340	2,04,124	111,308	1,042,526	(c) 52,998 1,262,857	155	3,61,363

Full rates mean As. 6 per buffaloe; As. 3 per cow or bull and As. 1-6 per sheep or goat.

(a) As. 8 per buffaloe; As. 4 per cow; and As. 2 per sheep.
(b) As. 8 per buffaloe; As. 4 per cow; and As. 3 per goat.
(c) Goat.
(d) As. 12 per buffaloe and As. 6 per cow.
(e) As. 6 per sheep.
(f) As. 2 per buffaloe and Anna 1 per cow.
(g) Anna 1 per cow or buffaloe.
(h) Re. 1-8-0 per buffaloe.
(i) Re. 1 per buffaloe.
(j) As. 12 per buffaloe.
(k) As. 8 per buffaloe.
(l) At Rs. 3 per cow.
(m) At Rs. 2 per cow.
(n) At Re. 1 per head.
(o) At As. 8 per head.
(p) At As. 6 per head.
(q) At As. 4 per head.
(r) At As. 3 per sheep or goat.
(s) At As. 1-6 per cow and 9 pies per goat or sheep.
(t) At Anna 1 per cow and 6 pies per goat or sheep.
(u) At 4½ pies per goat or sheep.
(v) Excludes Rs. 4,741 realized as Kancha rents and Rs. 86 under miscellaneous grazing.
(w) Cattle of Malayalis allowed free.
(x) Penal rates of As. 8 a buffaloe; As. 4 a cow; and As. 2 per sheep on account of fire.
(y) At As. 4 per cow (foreign cattle).
(z) Includes Rs 5-8-0 being fees for change of reserve for 88 cows at Anna 1 per cow.

No. 53.

Madras Presidency during 1903-1904.

section 16 *of the Forest Act.*

Grazing free. Number of animals.																	Grand total of value at full and enhanced rates.
At privileged rates.						By right under settlement.					During pleasure of Government or otherwise than under settlement.						
				Fees received.													
Buffaloes.	Cows and bullocks.	Goats and sheep.	Other animals.	Actual.	Value at full rates.	Buffaloes.	Cows and bullocks.	Goats and sheep.	Other animals.	Value of fees at full rates.	Buffaloes.	Cows and bullocks.	Goats and sheep.	Other animals.	Value of fees at full rates.	Total value of fees at full rates.	
12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
				Rs.	Rs.					Rs.					Rs.	Rs.	Rs.
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	11,978
..	..	..	..	..	..	..	200	..	..	38	..	130	..	..	24	62	5,058
(*f*)3,017	(*f*)16,628	..	..	1,417	4,876	..	..	..	..	..	46	800	..	..	167	167	27,579
(*g*) 432	(*g*)10,563	..	..	687	2,143												
..	..	..	..	..	..	..	..	..	..	..	1,305	1,299	(*c*) 906 855	..	898	898	84,236
..	..	..	..	..	..	..	2,485	5,505	..	982	..	..	..	..	..	982	44,385
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	36,461
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	17,382
3,449	27,201	..	..	2,104	7,019	..	2,685	5,505	..	1,020	1,351	2,229	1,761	..	1,089	2,109	2,27,079
..	(*s*) 120 (*t*) 165	(*s*) 305 (*t*) 350 (*u*) 90	..	49	123	..	1,900	..	..	356	..	..	..	..	..	356	39,132
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	(*v*) 40,653
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	12,314
..	..	..	..	..	..	..	..	..	..	..	(*w*)1,616	13,635	222	..	3,183	3,183	35,225
(*aa*) 222	(*aa*) 532	(*aa*) 4	..	92	183	..	..	..	..	..	(*w*) 328	2,925	5	..	672	672	44,085
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	33,658
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	25,707
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	15,797
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	981
222	817	749	..	141	306	..	1,900	..	..	356	1,944	16,560	227	..	3,855	4,211	2,47,552
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	4,614
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2,583
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	13
..	1,665	..	..	26	312	..	..	..	..	..	..	..	..	..	..	..	8,994
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	47,932
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	9,939
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	24,260
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	6,478
..	1,665	..	..	26	312	..	..	..	..	..	..	..	..	..	..	..	1,04,813
3,671	29,683	749	..	2,271	7,637	..	4,585	5,505	..	1,376	3,295	18,789	1,988	..	4,944	6,320	5,79,444

(*aa*) Cattle of Tenmalai Malayalis usually allowed free grazing, but charged one-third and two-thirds rates as a penalty for fires.

(*bb*) The enhanced rate of As. 8 a goat or buffaloe; As. 4 for cows and bulls; and As. 2 per sheep was levied in the Dharmapuri and Hosur ranges. An amount of Rs. 276 was also realized as penning fees and Rs. 23 by sale of grass.

(*cc*) As. 4 per cow; As. 2 per sheep; and As. 8 per goat.

(*dd*) Excludes Rs 60 realized from the grazing lease of Karuvattuparai reserve and Rs. 6 being penning fees.

(*ee*) Excludes Rs. 198 realized on account of grazing ground-rent. (*ff*) Excludes Rs. 210 realized from grazing contract for two years.

(*gg*) ,, Rs. 50 realized by the sale of the right of collecting fodder grass to a contractor.

(*hh*) The privileged rates are daily rates of As. 3 per 100 per diem for cattle of Mysore nomadic tribes; Re. 1 for foreign buffaloes; As. 8 for foreign cows; and As. 4 for foreign sheep.

(*ii*) As. 8 per buffaloe; As. 4 per cow, bull, horse, or ass; As. 2 per sheep, and As. 4 per goat.

(*kk*) Excludes Rs. 15 being fees collected for penning cattle.

c FORM

Return of Grazing in the State forests of the

(b) *Reserved lands notified under*

Districts.	Grazing on payment. Number of animals.									
	At enhanced or special rates.					At full rates.				
	Buffaloes.	Cows and bullocks.	Goats and sheep.	Other animals.	Fees received.	Buffaloes.	Cows and bullocks.	Goats and sheep.	Other animals.	Fees received.
1	2	3	4	5	6	7	8	9	10	11
										Reserved and
Northern Circle.					RS.					RS.
Un-reserved lands—										
Gódávari	(a) 564	1,782	..	..	728	6,073	12,336	232	..	4,612
Reserved lands—										
Bellary	...	..	..	..	..	130	1,106	..	..	256
Total, Northern Circle ..	564	1,782	..	..	728	6,203	13,442	232	..	4,868
Southern Circle.										
Reserved lands—										
South Canara	..	..	..	..	..	103	2,186	..	..	449
The Nilgiris	..	(b) 96	..	..	48	..	..	..	..	..
North Coimbatore	* 949	27,466	768	..	7,437	..	..	..	..	..
Total, Southern Circle ..	949	27,562	768	..	7,485	103	2,186	..	..	449
Total, Reserved and Unreserved Lands, Presidency ..	1,513	29,344	768	..	8,213	6,306	15,628	232	..	5,317
Northern Circle.										
Reserved forest	24,632	152,914	† 15,702 105,060	..	89,068	58,806	275,895	† 54,999 522,624	52	1,28,883
Reserved land	..	..	..	..	..	130	1,106	..	..	256
Unreserved land	564	1,782	..	..	728	6,073	12,336	232	..	4,612
Total, Northern Circle ..	25,196	154,696	† 15,702 105,060	..	89,796	65,009	289,337	† 54,999 532,856	52	1,33,751
Central Circle.										
Reserved forest	2,270	111,157	† 37,569 18,875	1	44,365	33,103	647,168	688,733	6	1,98,670
Southern Circle.										
Reserved forest	9,083	201,807	† 41,556 41,792	339	70,621	19,399	119,463	39,499	97	33,810
Reserved lands	949	27,562	768	..	7,485	103	2,186	..	..	449
Total, Southern Circle ..	10,032	229,369	† 41,556 42,560	339	78,176	12,502	121,649	39,499	97	34,259
Grand Total, Presidency ..	37,498	495,222	† 94,827 166,495	340	2,12,334	117,614	1,058,154	† 54,999 1,261,088	155	3,66,680

* Eight annas per buffaloe; 4 annas per cow; and 2 annas per sheep. † Goats.

(a) The enhanced rates are 8 annas per buffaloe and 4 annas per sheep. A sum of Rs. 848 was besides realized by the sale of pasture lands.

(b) Eight annas per foreign cow.

Note.—In several districts the Collectors have not reported the figures separately for each class of forests and in these cases the total number of animals licensed is shown under Reserved Forests.

No. 53—*cont.*

Madras Presidency during 1903-1904—*cont.*

section 4 of the Forest Act and unreserved lands, &c.

Grazing free. Number of animals.																	Grand total of value at full and enhanced rates.
At privileged rates.						By right under settlement.					During pleasure of Government or otherwise than under settlement						
Buffaloes.	Cows and bullocks.	Goats and sheep.	Other animals.	Fees received. Actual.	Fees received. Value at full rates.	Buffaloes.	Cows and bullocks.	Goats and sheep.	Other animals.	Value of fees at full rates.	Buffaloes.	Cows and bullocks.	Goats and sheep.	Other animals.	Value of fees at full rates.	Total value of fees at full rates.	
12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
Unreserved Lands.																	
				Rs.	Rs.					Rs.					Rs.	Rs.	Rs.
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	5,340
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	256
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	5,596
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	449
..	..	..	..	..	..	2,217	..	..	..	831	..	..	..	..	..	831	879
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	7,437
..	..	..	..	..	..	2,217	..	..	..	831	..	..	..	..	..	831	8,765
..	..	..	..	..	..	2,217	..	..	..	831	..	..	..	..	..	831	14,361
3,449	27,201	..	..	2,104	7,019	..	2,685	5,505	..	1,020	1,351	2,229	1,761	..	1,089	2,109	2,27,079
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	256
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	5,340
3,449	27,201	..	..	2,104	7,019	..	2,685	5,505	..	1,020	1,351	2,229	1,761	..	1,089	2,109	2,32,675
222	817	749	..	141	306	..	1,900	..	..	356	1,944	16,560	227	..	3,855	4,211	2,47,552
..	1,665	..	..	26	312	..	..	..	..	..	..	..	..	..	..	..	1,04,813
..	..	..	..	..	..	2,217	..	..	..	831	..	..	..	..	..	831	8,765
..	1,665	..	..	26	312	2,217	..	..	..	831	..	..	..	..	..	831	1,13,578
3,671	29,683	749	..	2,271	7,637	2,217	4,585	5,505	..	2,207	3,295	18,789	1,988	..	4,944	7,151	5,93,805

Abstract of animals licensed to graze on payment.

—	Buffaloes.	Cows and bullocks.	Sheep.	Goats.	Other animals.
Northern Circle	93,654	4,71,234	6,37,916	70,701	52
Central Circle	35,595	7,59,142	7,03,357	37,569	7
Southern Circle	29,534	3,52,683	82,059	41,556	436
Total ..	158,783	1,583,059	1,423,332	149,826	495

ANNUAL FORM No. 54.

Forest Department, Madras Presidency.

AREA of Plantations, Cultural Operations and Topes, 1903-1904.

	District.	Number of plantations and topes.	Area in acres.				Receipts.	Charges.
			On 1st July 1903.	Added during the year.	Excluded during the year.	Area on 30th June 1904.	Of the year.	
1		2	3	4	5	6	7	8
				A. Regular Plantations.				
Northern Circle.	Ganjám	1	348	..	..	348	Rs. 1,648	Rs. 179
	Gódávari	3	1,099	..	..	1,099	4,742	4,756
	Kistna	18	2,007	85	51	2,041	3,497	2,661
	Total, Northern Circle ..	22	3,454	85	51	3,488	9,887	7,596
Central Circle.	Cuddapah	8	2,100	..	..	2,100	244	483
	Nellore	13	6,654	..	92	6,562	36,332	12,505 * — 5,008
	Chingleput	..	222	..	..	222	1,476	266 * + 225
	North Arcot	7	1,175	..	..	1,175	6,957	751
	South do.	11	5,171	..	..	5,171	8,053	1,651
	South Salem	2	6	..	..	6	..	18
	Tanjore	4	539	..	..	539	1,904	2,106
	Total, Central Circle ..	45	15,867	..	92	15,775	54,966	12,997
Southern Circle.	South Canara	2	122	..	..	122	2,334	170 * + 5
	North Malabar	..	482	30	..	512	..	2,391 * + 351
	South do.	24	5,162	116	..	5,278	15,467	6,739
	The Nilgiris	22	1,645	..	..	1,645	11,725	8,611 * — 8,611
	South Coimbatore	8	30	..	..	30	..	..
	Madura	5	275	..	..	275	..	..
	Total, Southern Circle ..	61	7,716	146	..	7,862	29,526	9,656
	Grand Total, Regular Plantations, Presidency.	128	27,037	231	143	27,125	94,379	30,249
				B. Cultural Operations.				
Northern Circle.	Ganjám	..	302	..	134	168	169	188
	Gódávari	..	..	384	..	384	650	546 * + 277
	Kistna	..	35	1	..	36	21	907
	Kurnool	..	..	..	..	..	..	68
	Bellary	..	153	..	..	153	..	787
	Anantapur	..	128	..	† 128	..	..	114
	Total, Northern Circle ..	..	618	385	262	741	840	2,887
Central Circle.	Cuddapah	..	597	..	..	597	7	219 * + 327
	Nellore	..	1,128	517	204	1,441	..	..
	Chingleput	..	38	35	..	73	..	19
	North Arcot	..	585	..	..	585	..	37
	Trichinopoly	..	30 MLS. 91	2	..	32 MLS. 91	307	19
	Tanjore	..	1,161	..	..	1,161	5,154	4
	Total, Central Circle ..	..	3,539 MLS. 91	554	204	3,889 MLS. 91	5,468	625
Southern Circle.	North Malabar	..	..	..	..	..	..	‡ 858
	South Malabar	..	..	22	..	22	..	457
	The Nilgiris	..	488	..	..	488	..	1,747
	South Coimbatore	..	25	25	..	50	..	335 * + 121
	Tinnevelly	..	5,608	..	..	5,608	6	566
	Total, Southern Circle ..	..	6,121	47	..	6,168	6	4,084
	Grand Total, Cultural Operations, Presidency.		10,278 MLS. 91	986	466	10,798 MLS. 91	6,314	7,596

* Added or deducted as per Accountant-General's audited figures in Form No. 59.
† Total failure and so abandoned. ‡ Weeding charges.

Area of Plantations, Cultural Operations and Topes, 1903-1904—*cont.*

District.	Number of plantations and topes.	Area in acres.				Receipts.	Charges.
		On 1st July 1903.	Added during the year.	Excluded during the year.	Area on 30th June 1904	Of the year.	
1	2	3	4	5	6		8
			C. Topes.				
						Rs.	Rs.
Northern Circle. — Ganjám	7	101	..	..	101	29	..
Vizagapatam	2	78	..	..	78	363	* + 57 86
Kistna	14	136	..	..	136	17	186
Kurnool	27	199	..	..	199	..	..
Bellary	30	212	..	..	212	..	72
Anantapur	905	2,885	..	..	2,885	905	..
Total, Northern Circle ..	985	3,611	..	..	3,611	1,314	351
Central Circle. — Cuddapah	† 18	† 434	..	‡ 3, 431	..	223	100
Nellore	† 22	† 7,117	..	§ 7,117	..	..	..
Chingleput	17	† 24	..	§ 24	..	..	..
North Arcot	50	1,455	..	..	1,455	830	344
South do.	62	434	..	..	434	22	..
North Salem	65	918	..	..	918	554	* − 114 76
South do.	60	667	5	..	672	651	55
Trichinopoly	19	573	22	..	595	834	* + 1,062 5
Total, Central Circle ..	313	11,422	27	7,575	4,074	3,114	1,604
Southern Circle. — North Malabar	..	56	..	..	56	145	26
South do.	1	20	..	..	20	..	..
North Coimbatore	3	209	..	..	209	..	* + 129
Tinnevelly	8	44	..	..	44	..	..
Total, Southern Circle ..	12	329	..	..	329	145	155
Grand Total, Topes, Presidency ..	1,310	15,562	27	7,575	8,014	4,573	2,110
Northern Circle, Regular Plantations, Cultural operations and Topes ..	..	7,683	470	313	7,840	12,041	‖ 10,834
Central Circle, Regular Plantations, Cultural operations and Topes.	..	81,028 MLS. 91	581	7,871	23,738 MLS. 91	63,548	15,226
Southern Circle, Regular Plantations, Cultural operations and Topes ..	..	14,166	193	..	14,359	29,677	‖ 13,895
Grand Total, Presidency	..	52,877 MLS 91	1,244	8,184	45,937 MLS. 91	105,266	39,955

* Added or deducted as per audited figures of the Accountant-General. † Revised figure reported by the Collector.
‡ Abandoned. § Transferred to or comprised in reserved forests.
‖ Excludes Rs. 220 and 397 being the amounts spent under direction in the Northern and Southern Circles.

Note—In the report for the Trichinopoly district it is stated that 5 acres were regularly planted with tamarind and Illuppai seedlings, but its omission in this return has not been explained by the Collector.

FORM

Forest Department,

OUTTURN (in cubic feet solid) of Timber and Fuel and of Bamboos

District.	Timber.					Fuel.	
	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Government.	Purchasers.
1	2	3	4	5	6	7	8
NORTHERN CIRCLE.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.
Ganjám.							
Reserved forests—							
Sál	858	66,582	..	..	67,440	..	..
Miscellaneous	8,050	85,930	1,680	..	95,660	..	..
Total ..	8,908	152,512	1,680	..	163,100	24,078	368,481
Reserved lands	..	..	..	..	..	..	..
Unreserved lands—							
Sál	8,097	26,963	..	..	35,060	..	..
Miscellaneous	691	110,251	280	..	111,222	..	..
Total ..	8,788	137,214	280	..	146,282	..	86,392
Total Ganjám ..	17,696	289,726	1,960	..	309,382	24,078	454,873
Vizagapatam.							
Reserved forests—							
Miscellaneous	215	41,427	1,460	..	43,102	206,257	143,191
Unreserved lands—							
Miscellaneous	..	19,900	..	..	19,900	..	13,702
Total Vizagapatam ..	215	61,327	1,460	..	63,002	206,257	156,893
Gódávari.							
Reserved forests—							
Teak	5,815	194	..	..	6,009	..	..
Vengai (*Pterocarpus marsupium*)	..	750	..	..	750	..	..
Ironwood (*Xylia dolabriformis*)	..	373	..	..	373	..	..
Maddi (*Terminalia tomentosa*)	..	1,510	..	..	1,510	..	..
Miscellaneous	67	70,531	..	..	70,598	..	..
Total ..	5,882	73,358	..	..	79,240	348,077	443,305
Unreserved lands—							
Teak	1,450	20,450	..	..	21,900	..	19,071
Vengai (*Pterocarpus marsupium*)	..	3,172	..	..	3,172	..	5,274
Ironwood (*Xylia dolabriformis*)	..	..	..	..	..	..	..
Maddi (*Terminalia tomentosa*)	..	5,056	..	..	5,056	..	3,213
Miscellaneous	288	231,595	1,893	..	233,776	39,170	347,387
Total ..	1,738	260,273	1,893	..	263,904	39,170	374,945
Total Gódávari ..	7,620	333,631	1,893	..	343,144	387,247	818,250
Kistna.							
Reserved forests—							
Miscellaneous	1,998	94,880	18,883	..	115,761	145,457	328,514 * 552
Reserved lands—							
Miscellaneous	..	4	..	..	4	..	4,001
Unreserved lands—							
Miscellaneous	1,050	88,631	789	..	90,470	..	67,684 * 86
Total Kistna ..	3,048	183,515	19,672	..	206,235	145,457	400,837
Kurnool.							
Reserved forests—							
Vengai (*Pterocarpus marsupium*)	3,668	..	..	..	3,668	..	..
Maddi (*Terminalia tomentosa*)	28	..	..	..	28	..	..
Miscellaneous	5,341	188,044	4,280	1,311	198,976	..	..
Total ..	9,037	188,044	4,280	1,311	202,672	1,445,567	259,522

* Charcoal.

No. 55.

Madras Presidency.

in number) during the year 1903–1904, and Agency of Exploitation.

Fuel.			Total.	Bamboos.				
Free-grantees.	Right-holders.	Total.	Outturn.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.
9	10	11	12	13	14	15	16	17
C. FT.	C. FT.	C. FT.	C. FT.	NO.	NO.	NO.	NO.	NO.
..	..	..	..	..	.	..	..	..
..	..	..	..	..	..	..	..	..
..	..	392,559	555,659	384,200	1,436,295	9,000	..	1,829,495
..	..	..	..	..	825	..		825
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	86,392	232,674	..	11,500	1,400	..	12,900
..	..	478,951	788,333	384,200	1,448,620	10,400	..	1,843,220
..	..	349,448	392,550	1,370	1,215,370	14,600	..	1,231,340
..	..	13,702	33,602	..	80	..	..	80
..	..	363,150	426,152	1,370	1,215,450	14,600	..	1,231,420
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	791,382	870,622	400	3,800,742	1,400	..	3,802,542
..	..	19,071	40,971	..	..	..	..	..
..	..	5,274	8,446	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	3,213	8,269	..	..	..	..	..
..	..	386,557	620,333	..	..	..	..	..
..	..	414,115	678,019	1,350	3,901,418	..	..	3,902,768
..	..	1,205,497	1,548,641	1,750	7,702,160	1,400	..	7,705,310
371	..	474,894	590,655	134	408,520	..	..	408,654
..	..	4,001	4,005	..	..	..	..	..
..	..	67,770	158,240	..	..	..	..	..
371	..	546,665	752,900	134	408,520	..	..	408,654
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	257,510	1,962,599	2,165,271	300	5,062,142	25,250	20,489	5,108,181

Outturn (in cubic feet solid) of Timber and Fuel and of Bamboos

District.	Timber.						
	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Government.	Purchasers.
1	2	3	4	5	6	7	8
NORTHERN CIRCLE—*cont.*	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.
Kurnool—cont.							
Reserved lands—							
Miscellaneous	..	14,451	860	..	15,311	..	42,131
Unreserved lands—							
Miscellaneous	..	840	..	..	840	8,942	150,753
Total, Kurnool ..	9,937	203,335	5,140	1,311	218,823	1,454,569	452,406
Bellary.							
Reserved forests—							
Miscellaneous	..	12,715	1,389	..	14,104	..	37,600
Reserved lands including leased forest—							
Teak	256	..	..	..	256	..	..
Miscellaneous	202	283	184	..	669	..	..
Total ..	458	283	184	..	925	286,878	20,817
Unreserved lands—							
Miscellaneous	..	95,448	714	..	96,162	..	209,072
Total, Bellary ..	458	* 108,446	2,287	..	111,191	286,878	† 267,489
Anantapur.							
Reserved forests—							
Miscellaneous	..	17,990	1,608	..	19,598	28,696	120,984
Unreserved lands—							
Miscellaneous	..	12,510	..	..	12,510	..	26,700
Total, Anantapur ..	..	30,500	1,608	..	32,108	28,696	147,684
CENTRAL CIRCLE.							
Cuddapah.							
Reserved forests—							
Miscellaneous	7,156	119,332	11,320	..	137,808	192,695	310,312
Unreserved lands—							
Miscellaneous	..	69,023	..	..	69,023	..	231,769
Total, Cuddapah ..	7,156	188,355	11,320	..	206,831	192,695	542,081
Nellore.							
Reserved forests—							
Miscellaneous	2,640	7,853	200	..	10,693	576,494	541,407
Reserved lands—							
Miscellaneous	..	1,790	..	..	1,790	..	578
Unreserved lands—							
Miscellaneous	1,661	36,790	840	..	39,291	739	19,723
Total, Nellore ..	4,301	46,433	1,040	..	51,774	577,233	561,708
Chingleput.							
Reserved forests—							
Miscellaneous	40	527	..	..	567	40,154	75,787
Unreserved lands—							
Miscellaneous	..	47,060	2,804	..	49,864	20,626	93,485
Total, Chingleput ..	40	47,587	2,804	..	50,431	60,780	169,272
North Arcot.							
Reserved forests—							
Sandalwood (*Santalum album*).	473	..	..	..	473	..	..
Red sanders (*Pterocarpus santalinus*)	630	..	..	..	630	..	..
Miscellaneous	970	8,356	1,472	..	10,798	..	..
Total ..	2,073	8,356	1,472	..	11,901	159,645	311,071
Unreserved lands—							
Miscellaneous	..	25,246	3,840	..	29,086	..	310,073
Total, North Arcot ..	2,073	33,602	5,312	..	40,987	159,645	621,144

* Includes 12 c. ft. of confiscated produce.

† Includes 1,444 c. ft. of confiscated produce.

(in number) during the year 1903-1904, and Agency of Exploitation—*cont.*

Fuel.			Total.	Bamboos.				
Free-grantees.	Right-holders.	Total.	Outturn.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.
9	10	11	12	13	14	15	16	17
C. FT.	C. FT.	C. FT.	C. FT.	NO.	NO.	NO.	NO.	NO.
..	..	42,131	57,442	..	..	..	..	..
..	..	159,695	160,535	..	..	..	..	..
..	257,510	2,164,425	2,383,248	300	5,062,142	25,250	20,489	5,108,181
2,960	..	40,560	54,664	..	21,825	..	..	21,825
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	307,695	308,620	399	68,175	5,300	..	73,874
540	..	209,612	305,774	..	..	..	..	..
3,500	..	557,867	669,058	399	90,000	5,300	..	95,699
..	..	149,680	169,278	..	22,240	..	..	22,240
..	..	26,700	39,210	..	..	..	..	..
..	..	176,380	208,488	..	22,240	..	..	22,240
..	..	503,007	640,815	..	1,622,240	49,200	..	1,671,440
..	..	231,769	300,792	..	..	..	..	..
..	..	734,776	941,607	..	1,622,240	49,200	..	1,671,440
..	..	1,117,901	1,128,594	..	10,350	..	..	10,350
..	..	578	2,368	..	..	..	..	..
..	..	20,462	59,753	..	..	..	..	..
..	..	1,138,941	1,190,715	..	10,350	..	..	10,350
..	..	115,941	116,508	..	118	..	..	118
..	..	114,111	163,975	..	2,913	..	..	2,913
..	..	230,052	280,483	..	3,031	..	..	3,031
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	470,716	482 716	504	4,270,054	87,000	..	4,357,558
..	..	310,073	339,159	..	..	..	..	..
..	..	780,789	821,776	504	4,270,054	87,000	..	4,357,558

Outturn (in cubic feet solid) of Timber and Fuel and of Bamboos

District.	Timber.					Fuel.	
	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Government.	Purchasers.
1	2	3	4	5	6	7	8
CENTRAL CIRCLE—*cont.*	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.
South Arcot.							
Reserved forests—							
Sandalwood	7	..	..	..	7	..	..
Miscellaneous	..	5,662	..	..	5,662	..	..
Total ..	7	5,662	..	..	5,669	15,587	277,310
Unreserved lands—							
Miscellaneous	..	35,180	6,061	..	41,241	..	416,595
Total, South Arcot ..	7	40,842	6,061	..	46,910	15,587	693,905
North Salem.							
Reserved forests—							
Sandalwood	552	..	..	..	552	..	..
Miscellaneous	* 4,700 638	..	..	..	5,338	..	..
Total ..	5,890	..	..	..	5,890	93,722	..
Unreserved lands—							
Sandalwood	841	..	..	..	841	..	..
Miscellaneous	2,017	90,951	1,520	..	94,488	..	..
Total ..	2,858	90,951	1,520	..	95,329	27,501	460,756
Total, North Salem ..	8,748	90,951	1,520	..	101,219	121,223	460,756
South Salem.							
Reserved forest— Vengai ..	29	..	..	..	29	..	..
Reserved forest— Miscellaneous.	877	..	2,007	..	2,884	..	..
Total ..	906	..	2,007	..	2,913	244,055	28,757
Unreserved lands— Sandalwood ..	383	..	..	..	383	..	..
Unreserved lands— Miscellaneous.	485	181,774	240	..	182,499	..	..
Total ..	868	181,774	240	..	182,882	28,937	181,798
Total, South Salem ..	1,774	181,774	2,247	..	185,795	273,442	210,555
Trichinopoly.							
Reserved forests—							
Miscellaneous	..	30,292	..	..	30,292	266,611 † 45	310,244
Reserved lands—							
Miscellaneous	..	1,040	..	..	1,040	..	4,812
Unreserved lands—							
Miscellaneous	..	14,072	1,060	..	15,132	107,902	974,291
Total, Trichinopoly ..	‡ ..	45,404	1,060	..	46,464	374,558	1,289,347
Tanjore.							
Reserved forests—							
Miscellaneous	..	15,446	..	..	15,446	..	312,772
Unreserved lands—							
Miscellaneous	..	..	..	..	..	..	230,378
Total, Tanjore ..	..	15,446	..	..	15,446	..	543,150
SOUTHERN CIRCLE.							
South Canara.							
Reserved forests—							
Teak	788	..	..	..	788	..	..
Vengai (*Pterocarpus marsupium*)	53	25	..	..	78	..	..
Ironwood (*Xylia dolabriformis*).	45	..	..	..	45	..	..
Maddi (*Terminalia tomentosa*).	571	1,271	..	..	1,842	..	..
Rose wood (*Dalbergia latifolia*).	87	..	..	..	87	..	..
Hopea (*Kiralbhogi*)	77	600	..	..	677	..	..
Miscellaneous	3,803	8,606	..	..	12,409	..	..
Total ..	5,424	10,502	..	..	15,926	29,792	281.

* For free supply to the people of Vániyambádi affected by the floods of 1903. † Charcoal.

‡ 282 cubic feet of timber received from the South Coimbatore district for disposal have not been shown here being included in the accounts of that district.

(in number) during the year 1903–1904, and Agency of Exploitation—*cont.*

Fuel.			Total.	Bamboos.				
Free-grantees.	Right-holders.	Total.	Outturn.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.
9	10	11	12	13	14	15	16	17
C. FT.	C. FT.	C. FT.	C. FT.	NO.	NO.	NO.	NO.	NO.
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
400	..	293,297	298,966	757	239,420	..	..	240,177
..	..	416,595	457,836	20	7,678	..	..	7,698
400	..	709,892	756,802	777	247,098	..	..	247,875
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	93,722	99,612	75,851	..	..	..	75,851
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	488,257	583,586	472	2,871,080	500	..	2,872,052
..	..	581,979	683,198	76,323	2,871,080	500	..	2,947,903
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	273,262	276,175	250	5,148,200	36,125	..	5,184,575
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	210,735	393,617	..	214.075	..	..	214,075
..	..	483,997	669,792	250	5,362,275	36,125	..	5,398,650
..	..	576,900	607,192	..	135,084	..	..	135,084
..	..	4,812	5,852	..	..	..	..	..
..	..	1,082,193	1,097,325	..	880	..	..	880
..	..	1,663,905	1,710,369	..	135,964	..	..	135,964
..	..	312,772	328,218	..	..	..	..	..
..	..	230,378	230,378	..	2,353	..	..	2,353
..	..	543,150	558,596	..	2,353	..	..	2,353
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	311,046	326,972	900	54,825	..	..	55,725

Outturn (in cubic feet solid) of Timber and Fuel and of Bamboos

District.	Timber.					Fuel.	
	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Government.	Purchasers.
1	2	3	4	5	6	7	8
SOUTHERN CIRCLE—*cont.*	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.
South Canara—cont.							
Reserved lands—							
Teak	122	..	..	..	122	..	..
Vengai (*Pterocarpus marsupium*)	20	..	..	..	20	..	..
Ironwood (*Xylia dolabriformis*)	553	..	..	..	553	..	..
Maddi (*Terminalia tomentosa*).	237	125	..	..	362	..	..
Rosewood (*Dalbergia latifolia*)	416	50	..	..	466	..	..
Kiralbhogi (*Hopea*)	603	500	..	..	1,103	..	..
Miscellaneous	601	575	..	..	1,176	..	..
Total ..	2,552	1,250	..	..	3,802	..	892
Unreserved lands—							
Teak	104	75	..	3,925	4,104	..	..
Vengai	..	..	..	100	100	..	..
Ironwood	308	..	25	1,550	1,883	..	..
Maddi (*Terminalia tomentosa*) ..	156	700	150	225	1,231	..	..
Rosewood (*Dalbergia latifolia*)	285	200	..	1,150	1,635	..	..
Hopea (Kiralbhogi)	619	1,800	..	40,800	43,219	..	..
Miscellaneous	1,481	101,759	175	28,050	131,465	..	..
Total ..	2,953	104,534	350	75,800	183,637	478	57,677
Total, South Canara ..	10,929	116,286	350	75,800	203,365	30,270	339,823
North Malabar.							
Reserved Forests—							
Teak	70,139	50,200	..	..	120,339	..	..
Vengai (*Pterocarpus marsupium*)	8,328	9,900	..	..	18,228	..	..
Rosewood (*Dalbergia latifolia*)	1,943	2,500	..	..	4,443	..	..
Miscellaneous	7,593	5,100	..	..	12,693	..	..
Total ..	88,003	67,700	..	..	155,703	..	2,800
Unreserved lands—							
Rosewood (*Dalbergia latifolia*	..	1,200	..	..	1,200	..	..
Miscellaneous	..	2,717	..	..	2,717	..	..
Total ..	..	3,917	..	..	3,917	..	..
Total, North Malabar ..	88,003	71,617	..	..	159,620	..	2,800
South Malabar.							
Reserved forests—							
Teak	9,549	16,269	..	..	25,818	..	..
Vengai	..	117	..	..	117	..	..
Ironwood	6,992	13,230	..	..	20,222	..	..
Maddi (*Terminalia tomentosa*).	703	29,775	..	..	30,478	..	..
Rosewood	..	376	..	..	376	..	..
Hopea (Irubhogham)	..	92	..	..	92	..	..
Miscellaneous	303	83,116	..	..	83,419	..	..
Total ..	17,547	142,975	..	..	160,522	64,367	69,456
Reserved lands—							
Teak	18,255	..	..	..	18,255	..	..
Vengai	..	..	..	..	..	..	..
Ironwood (*Xylia dolabriformis*)	30,472	20,927	66	..	51,465	..	..
Maddi (*Terminalia tomentosa*).	833	2,976	..	..	3,809	..	..
Rosewood	..	26	..	..	26	..	..
Hopea	164	35	..	..	199	..	..
Miscellaneous	16,532	25,050	136	..	41,718	..	..
Total ..	66,256	49,014	202	..	115,472	195	..

(in number) during the year 1903–1904, and Agency of Exploitation—*cont.*

Fuel.			Total.	Bamboos.				
Free-grantees.	Right-holders.	Total.	Outturn.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.
9	10	11	12	13	14	15	16	17
C. FT.	C. FT.	C. FT.	C. FT.	NO.	NO.	NO.	NO.	NO.
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	892	4,694	92	7,500	..	..	7,592
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	58,155	241,792	41	12,855	300	..	13,196
..	..	370,093	573,458	1,033	75,180	300	..	76,513
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	2,800	158,503	14,400	19,761	..	..	34,161
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	3,917	..	..	..	..	..
..	..	2,800	162,420	14,400	19,761	..	..	34,161
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	133,823	294,345	9,962	26,120	..	..	36,082
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	195	115,667	16,260	58,700	200	..	75,160

Outturn (in cubic feet solid) of Timber and Fuel and of Bamboos

District.	Timber.					Fuel.	
	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Government.	Purchasers.
1	2	3	4	5	6	7	8
SOUTHERN CIRCLE—*cont.*	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.
South Malabar—cont.							
Unreserved lands—							
Teak	9	..	..	..	9	..	..
Ironwood	23	..	..	..	23	..	..
Miscellaneous	39	..	..	..	39	..	..
Total ..	71	..	..	..	71	..	..
Total, South Malabar ..	83,874	191,989	202	..	276,065	64,562	69,456
The Nilgiris.							
Reserved forests—							
Sandalwood	270	..	..	..	270	..	..
Teak	14,568	360	..	..	14,928	..	..
Vengai	3,965	174	..	..	4,139	..	..
Maddi (*Terminalia tomentosa*) ..	40	46	..	..	86	..	..
Rosewood	146	..	..	..	146	..	..
Venteak (*Lagerstræmia microcarpa*)	1,799	..	..	..	1,799	..	..
Miscellaneous	153	1,221	27	..	1,401	..	..
Total ..	20,941	1,801	27	..	22,769	229,302	52,166
Reserved lands—							
Miscellaneous	..	573	..	210	783	..	..
Unreserved lands—							
Teak	..	150	..	..	150	..	..
Vengai	..	375	..	..	375	..	..
Miscellaneous	..	23,725	..	..	23,725	..	..
Total ..	..	24,250	..	..	24,250	..	..
Total, The Nilgiris ..	20,941	26,624	27	210	47,802	229,302	52,166
North Coimbatore.							
Reserved forests—							
Sandalwood	1,433	..	..	..	1,433	..	..
Teak	254	..	..	..	254	..	..
Vengai	3,785	..	..	..	3,785	..	..
Karumathi (*Terminalia tomentosa*)	139	..	..	..	139	..	..
Rosewood	140	..	..	..	140	..	..
Miscellaneous	854	22,401	..	..	23,255	..	..
Total ..	6,605	22,401	..	..	29,006	1,000	244,503
Unreserved lands—							
Miscellaneous	..	2,292	410	..	2,702	..	18,553
Total, North Coimbatore ..	6,605	24,693	410	..	31,708	1,000	263,056
South Coimbatore.							
Reserved forests—							
Teak	19,376	8,057	..	..	27,433	..	..
Vengai	192	845	..	..	1,037	..	..
Ironwood	1,645	..	..	..	1,645	..	..
Karumarudu (*Terminalia tomentosa*)	1,606	..	..	..	1,606	..	..
Rosewood	266	7,397	..	..	7,663	..	..
Miscellaneous	20,219	13,629	..	..	33,848	..	..
Total ..	43,304	29,928	..	..	73,232	388,582	446,060
Unreserved lands—							
Miscellaneous	1,549	1,140	150	..	2,839	9,960	11,787
Total, South Coimbatore ..	44,853	31,068	150	..	76,071	398,542	457,847

(in number) during the year 1903-1904, and Agency of Exploitation—*cont.*

Fuel.			Total.	Bamboos.				
Free-grantees.	Right-holders.	Total.	Outturn.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.
9	10	11	12	13	14	15	16	17.
C. FT.	C. FT.	C. FT.	C. FT.	NO.	NO.	NO.	NO.	NO.
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	71	..	..	..	..	..
..	..	134,018	410,083	26,222	84,820	200	..	111,242
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
1,405	..	282,873	305,642	..	145,347	3,085	..	148,432
925	230	1,155	1,938	..	..	..	9,423	9,423
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	391	391	24,641	..	..	..	..	..
2,330	621	284,419	332,221	..	145,347	3,085	9,423	157,855
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	245,503	274,509	5,369	2,749,220	..	..	2,754,589
200	..	18,753	21,455	..	..	..	..	..
200	..	264,256	295,964	5,369	2,749,220	..	..	2,754,589
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	834,642	907,874	141	2,485,070	..	..	2,485,211
..	..	21,747	24,586	..	..	..	..	..
..	..	856,389	932,460	141	2,485,070	..	..	2,485,211

Outturn (in cubic feet solid) of Timber and Fuel and of Bamboos

District.	Timber.					Fuel.	
	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Government.	Purchasers.
1	2	3	4	5	6	7	8
SOUTHERN CIRCLE—*cont.*	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.
Madura.							
Reserved forests—							
Miscellaneous	..	8,491	465	..	8,956	1,125,897	353,625
Unreserved lands—							
Miscellaneous	728	62,255	28	..	63,011	..	433,272
Total, Madura ..	728	70,746	493	..	71,967	1,125,897	786,897
Tinnevelly.							
Reserved forests—							
Teak	110	..	..	..	110	..	..
Hopea	1,357	..	..	..	1,357	..	..
Miscellaneous	621	42,959	350	..	43,930	..	..
Total ..	2,088	42,959	350	..	45,397	15,601	966,460
Unreserved lands—							
Miscellaneous	..	..	313	..	313	6,979	196,764
Total, Tinnevelly ..	2,088	42,959	663	..	45,710	22,580	1,163,224
			Abstract.				
NORTHERN CIRCLE.							
Reserved forests—							
Sál	858	66,582	..	..	67,440	..	..
Teak (*Tectona grandis*)	5,815	194	..	..	6,009	..	..
Vengai (*Pterocarpus marsupium*)	3,668	750	..	..	4,418	..	..
Ironwood (*Xylia dolabriformis*).	..	373	..	..	373	..	..
Maddi (*Terminalia tomentosa*)..	28	1,510	..	..	1,538	..	..
Miscellaneous	15,671	511,517	29,300	1,311	557,799	..	..
Total ..	26,040	580,926	29,300	1,311	637,577	2,198,132	1,702,149
Reserved lands—							
Teak (*Tectona grandis*) ..	256	..	..	..	256	..	..
Miscellaneous	202	14,738	1,044	..	15,984	..	..
Total ..	458	14,738	1,044	..	16,240	286,878	66,949
Unreserved lands—							
Sál	8,097	26,963	..	..	35,060	..	..
Teak	1,450	20,450	..	..	21,900	..	..
Vengai	..	3,172	..	..	3,172	..	..
Maddi (*Terminalia tomentosa*)..	..	5,056	..	..	5,056	..	..
Miscellaneous	2,029	559,175	3,676	..	564,880	..	..
Total ..	11,576	614,816	3,676	..	630,068	48,112	929,334
Grand Total, Northern Circle ..	38,074	1,210,480	34,020	1,311	1,283,885	2,533,122	2,698,432
CENTRAL CIRCLE.							
Reserved forests—							
Sandalwood	1,032	..	..	..	1,032	..	..
Vengai	29	..	..	..	29	..	..
Red sanders (*Pterocarpus santalinus*)	630	..	..	..	630	..	..
Miscellaneous	17,021	187,468	14,999	..	219,488	..	..
Total ..	18,712	187,468	14,999	..	221,179	1,589,458	2,167,660
Reserved lands—							
Miscellaneous	..	2,830	..	..	2,830	..	5,390
Unreserved lands—							
Sandalwood	1,224	..	..	..	1,224	..	..
Miscellaneous	4,163	500,096	16,365	..	520,624	..	..
Total ..	5,387	500,096	16,365	..	521,848	185,705	2,918,868
Grand Total, Central Circle ..	24,099	690,394	31,364	..	745,857	1,775,163	5,091,918

(in number) during the year 1903-1904, and Agency of Exploitation—*cont.*

Fuel.			Total.	Bamboos.				
Free-grantees.	Right-holders.	Total.	Outturn.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.
9	10	11	12	13	14	15	16	17
C. FT.	C. FT.	C. FT.	C. FT.	NO.	NO.	NO.	NO.	NO.
..	..	1,479,522	1,488,478	..	151,863	..	..	151,863
2,000	..	435,272	498,283	..	..	..	..	..
2,000	..	1,914,794	1,986,761	..	151,863	..	..	151,863
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	982,061	1,027,458	17	4,000	..	..	4,017
..	..	203,743	204,056	..	860	..	..	860
..	..	1,185,804	1,231,514	17	4,860	..	..	4,877
Abstract.								
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
3,331	257,510	4,161,122	4,798,699	386,404	11,967,134	50,250	20,489	12,424,277
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	353,827	370,067	399	69,000	5,300	..	74,699
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
540	..	9,77,986	1,608,054	1,350	3,912,998	1,400	..	3,915,748
3,871	257,510	5,492,935	6,776,820	388,153	15,949,132	56,950	20,489	16,414,724
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
400	..	3,757,518	3,978,697	77,362	11,425,466	172,325	..	11,675,153
..	..	5,390	8,220	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	3,104,573	3,626,421	492	3,098,979	500	..	3,099,971
400	..	6,867,481	7,613,338	77,854	14,524,445	172,825	..	14,775,124

Outturn (in cubic feet solid) of Timber and Fuel and of Bamboos

District.	Timber.					Fuel.	
	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Government.	Purchasers.
1	2	3	4	5	6	7	8
			Abstract—cont.				
SOUTHERN CIRCLE.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.
Reserved forests—							
Sandalwood	1,703	..	..	..	1,703	..	..
Teak (*Testona grandis*)	114,784	74,886	..	..	189,670	..	..
Vengai (*Pterocarpus marsupium*)	16,323	11,061	..	..	27,384	..	..
Ironwood (*Xylia dolabriformis*)	8,682	13,230	..	..	21,912	..	..
Maddi (*Terminalia tomentosa*)	3,059	31,092	..	..	34,151	..	..
Rosewood or blackwood (*Dalbergia latifolia*)	2,582	10,273	..	..	12,855	..	..
Hopea (*Kiralbhoghi irubhogam*)	1,434	692	..	..	2,126	..	..
Venteak (*Lagerstroemia microcarpa*)	1,799	..	..	..	1,799	..	..
Miscellaneous	33,546	185,523	842	..	219,911	..	..
Total	183,912	326,757	842	..	511,511	1,854,541	2,416,324
Reserved lands—							
Teak	13,377	..	..	..	18,377	..	..
Vengai	20	..	..	..	20	..	..
Ironwood	31,025	20,927	66	..	52,018	..	..
Madi (*Terminalia tomentosa*)	1,070	3,101	..	..	4,171	..	..
Rosewood	416	76	..	..	492	..	..
Hopea	767	535	..	..	1,302	..	..
Miscellaneous	17,133	26,198	136	210	43,677	..	..
Total	68,808	50,837	202	210	120,057	195	892
Unreserved lands—							
Teak	113	225	..	3,925	4,263	..	..
Vengai	..	375	..	100	475	..	..
Ironwood	331	..	25	1,550	1,906	..	..
Maddi (*Terminalia tomentosa*)	156	700	150	225	1,231	..	..
Rosewood	285	1,400	..	1,150	2,835	..	..
Hopea	619	1,800	..	40,800	43,219	..	..
Miscellaneous	3,797	193,888	1,076	28,050	226,811	..	..
Total	5,301	198,388	1,251	75,809	280,740	17,417	718,053
Grand Total, Southern Circle.	258,021	575,982	2,295	76,010	912,308	1,872,153	3,135,269
NORTHERN CIRCLE.							
Reserved forests, reserved lands and unreserved lands—							
Sál	8,955	93,545	..	..	102,500	..	..
Sandalwood	..	..	..	..	..	..	..
Redsanders	..	..	..	..	..	..	..
Teak	7,521	20,644	..	..	28,165	..	..
Vengai	3,668	3,922	..	..	7,590	..	..
Ironwood	..	373	..	..	373	..	..
Maddi (*Terminalia tomentosa*)	28	6,566	..	..	6,594	..	..
Rosewood	..	..	..	..	..	..	..
Hopea	..	..	..	..	..	..	..
Venteak	..	..	..	..	..	..	..
Miscellaneous	17,902	1,085,430	34,020	1,311	1,138,663	..	..
Total	38,074	1,210,480	34,020	1,311	1,283,885	2,533,122	2,698,432
CENTRAL CIRCLE.							
Reserved forests, reserved lands and unreserved lands—							
Sandalwood	2,256	..	..	..	2,256	..	..
Redsanders	630	..	..	..	630	..	..
Vengai	29	..	..	..	29	..	..
Miscellaneous	21,184	690,394	31,364	..	742,942	..	..
Total	24,099	690,394	31,364	..	745,857	1,775,163	5,091,918

(in number) during the year 1903-1904, and Agency of Exploitation—*cont.*

Fuel.			Total.	Bamboos.				
Free-grantees.	Right-holders.	Total.	Outturn.	Government.	Purchasers.	Free-grantees.	Right holders.	Total.
9	10	11	12	13	14	15	16	17
			Abstract—cont.					
C. FT.	C. FT.	C. FT.	C. FT.	NO.	NO.	NO.	NO.	NO.
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
1,405	..	4,272,270	4,783,781	30,789	5,636,206	3,085	..	5,670,080
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
925	230	2,242	122,299	16,352	66,200	200	9,423	92,175
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
2,200	391	738,061	1,018,801	41	13,715	300	..	14,056
4,530	621	5,012,573	5,924,881	47,182	5,716,121	3,585	9,423	5,776,311
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
3,871	257,510	5,492,935	6,776,820	388,153	15,949,132	56,950	20,489	16,414,724
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
400	..	6,867,481	7,613,338	77,854	14,524,445	172,825	..	14,775,124

Outturn (in cubic feet solid) of Timber and Fuel and of Bamboos (in number)

District.	Timber.					Fuel.	
	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Government.	Purchasers.
1	2	3	4	5	6	7	8
			Abstract—cont.				
SOUTHERN CIRCLE.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.
Reserved forests, reserved lands and unreserved lands—							
Sandalwood	1,703	..	..	..	1,703	..	..
Teak	133,274	75,111	..	3,925	212,310	..	..
Vengai	16,343	11,436	..	100	27,879	..	..
Ironwood	40,038	34,157	91	1,550	75,836	..	..
Maddi (*Terminalia tomentosa*).	4,285	34,893	150	225	39,553	..	..
Rosewood	3,283	11,749	..	1,150	16,182	..	..
Hopea	2,820	3,027	..	40,800	46,647	..	..
Venteak	1,799	..	..	..	1,799	..	..
Miscellaneous	54,476	405,609	2,054	28,260	490,399	..	..
Total ..	258,021	575,982	2,295	76,010	912,308	1,872,153	3,135,269
			Presidency.				
Reserved forests—							
Sâl	858	66,582	..	..	67,440	..	..
Sandalwood	2,735	..	..	..	2,735	..	..
Red sanders	630	..	..	..	630	..	..
Teak	120,599	75,080	..	..	195,679	..	..
Vengai	20,020	11,811	..	..	31,831	..	..
Ironwood	8,682	13,603	..	..	22,285	..	..
Terminalia tomentosa	3,087	32,602	..	..	35,689	..	..
Rosewood	2,582	10,273	..	..	12,855	..	..
Hopea	1,434	692	..	..	2,126	..	..
Venteak	1,799	..	..	..	1,799	..	..
Miscellaneous	66,238	884,508	45,141	1,311	997,198	..	..
Total, reserved forests ..	228,664	1,095,151	45,141	1,311	1,370,267	5,642,131	6,286,133
Reserved lands—							
Teak	18,633	..	..	..	18,633	..	..
Vengai	20	..	..	..	20	..	..
Ironwood	31,025	20,927	66	..	52,018	..	..
Maddi	1,070	3,101	..	..	4,171	..	..
Rosewood	416	76	..	..	492	..	..
Hopea	767	535	..	..	1,302	..	..
Miscellaneous	17,335	43,766	1,180	210	62,491	..	..
Total, reserved lands ..	69,266	68,405	1,246	210	139,127	287,073	73,231
Unreserved lands—							
Sâl	8,097	26,963	..	..	35,060	..	..
Sandalwood	1,224	..	..	..	1,224	..	..
Teak	1,563	20,675	..	3,925	26,163	..	..
Vengai	..	3,547	..	100	3,647	..	..
Ironwood	331	..	25	1,550	1,906	..	..
Maddi (*Terminalia tomentosa*).	156	5,756	150	225	6,287	..	..
Rosewood	285	1,400	..	1,150	2,835	..	..
Hopea	619	1,800	..	40,800	43,219	..	..
Miscellaneous	9,989	1,253,159	21,117	28,050	1,312,315	..	..
Total, unreserved lands ..	22,264	1,313,300	21,292	75,800	1,432,656	251,234	4,566,255
Reserved forests, reserved lands and unreserved lands—							
Shorea robusta (Sâl)	8,955	93,545	..	..	102,500	..	..
Santalum album (Sandalwood)	3,959	..	..	..	3,959	..	..
Pterocarpus santalinus (Red sanders)	630	..	..	..	630	..	..
Tectona grandis (Teak) ..	140,795	95,755	..	3,925	240,475	..	..
Pterocarpus marsupium (Vengai)	20,040	15,358	..	100	35,498	..	..
Xylia dolabriformis (Ironwood)	40,038	34,530	91	1,550	76,209	..	..
Terminalia tomentosa (Maddi, Karumaruḍi) ..	4,313	41,459	150	225	46,147	..	..
Dalbergia latifolia (Rosewood or blackwood) ..	3,283	11,749	..	1,150	16,182	..	..
Hopea parviflora (Irubhogham, Kiralbhogi) ..	2,820	3,027	..	40,800	46,647	..	..
Lagerstroemia microcarpa (Venteak)	1,799	..	..	..	1,799	..	..
Miscellaneous	93,562	2,181,433	67,438	29,571	2,372,004	..	..
Presidency Total ..	320,194	2,476,856	67,679	77,321	2,942,050	6,180,438	10,925,619
Presidency total, 1902-1903 ..	442,590	2,732,465	54,303	1,991	3,231,259	6,941,107	11,393,788

during the year 1903–1904, and Agency of Exploitation—*cont.*

Fuel.			Total.	Bamboos.				
Free-grantees.	Right-holders.	Total.	Outturn.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.
9	10	11	12	13	14	15	16	17
				Abstract—cont.				
C. FT.	C. FT.	C. FT.	C. FT.	NO.	NO.	NO.	NO.	NO.
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
4,530	621	5,012,573	5,924,881	47,182	5,716,121	3,585	9,423	5,776,311
Abstract.								
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
5,136	257,510	12,190,910	13,561,177	494,555	29,028,806	225,660	20,489	29,769,510
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
925	230	361,459	500,586	16,751	135,200	5,500	9,423	166,874
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
2,740	391	4,820,620	6,253,276	1,883	7,025,692	2,200	..	7,029,775
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
8,801	258,131	17,372,989	20,315,039	513,189	36,189,698	233,360	29,912	36,966,159
7,760	257,899	18,600,544	21,831,803	320,286	35,323,978	134,620	22,014	35,800,898

ANNUAL FORM No. 56.

Forest Department, Madras Presid

OUTTURN of Minor Forest Produce during the year 1903-1904.

District.	Description of produce.	Produce removed or utilized.					
		By Government Agency.		By purchasers.	By free grants.	By right-holders.	Total.
		Quantity.	Value.	Value.	Value.	Value.	Value.
1	2	3	4	5	6	7	8
		MDS.	RS.	RS.	RS.	RS.	RS.
Northern Circle.	Grass and grazing	15,308	168	2,28,027	1,219	1,020	2,30,434
	Tamarind, soapnuts, gallnuts, nux-vomica, &c.	2,746	180	51,691	..	38,650	90,521
	Horns, honey, wax, &c. ..	53	139	1,154	..	..	1,293
	Tangedu, Vembadam, &c., barks.	..	..	37,575	..	..	37,575
	Plumbago, stone, gravel, earth, &c.	..	..	9,067	..	..	9,067
	Manure leaves	..	..	705	..	..	705
	Miscellaneous	17,094	785	1,13,484	135	300	1,14,704
	Total ..	35,201	1,272	4,41,703	1,354	39,970	4,84,299
Central Circle.	Grass and grazing	3,371	83	2,64,187	4,231	* 356	2,68,857
	Tamarind, soapnuts, gallnuts, nux-vomica, &c.	5,457	3,065	5,070	189	..	8,324
	Horns, honey, wax, &c. ..	9	29	..	..	..	29
	Tangedu, Vembadam, &c., barks.	73	97	26,520	..	..	26,617
	Mica, stone, gravel, earth, &c.	..	..	29,119	..	..	29,119
	Manure leaves	..	..	2,056	..	..	2,056
	Miscellaneous	1,707	1,097	1,78,080	58	..	1,79,235
	Total ..	10,617	4,371	5,05,032	4,478	356	5,14,237
Southern Circle.	Grass and grazing	2,240	2,275	1,15,091	..	* 831	1,18,197
	Catechu	1,561	13,953	..	..	..	13,953
	Tamarind, soapnuts, gallnuts, nux-vomica, &c.	34,533	25,301	4,638	..	..	29,939
	Pepper, cardamoms, &c. ..	103	1,188	7,393	..	..	8,581
	Horns, honey, wax, &c... ..	988	6,423	706	..	..	7,129
	Tangedu, Vembadam &c., barks.	7,020	3,798	4,429	..	..	8,227
	Stones, gravel, earth, &c. ..	..	..	2,527	..	..	2,527
	Manure leaves	..	..	1,094	..	..	1,094
	Miscellaneous	12,500	711	73,796	54	2,348	76,909
	Total ..	58,945	53,649	2,09,674	54	3,179	2,66,556
Presidency total.	Grass and grazing	20,919	2,526	6,07,305	5,450	2,207	..
	Catechu	1,561	13,953	..	..	..	..
	Tamarind, soapnuts, gallnuts, nux-vomica, &c.	42,736	28,546	61,399	189	38,650	..
	Pepper, cardamoms, &c. ..	103	1,188	7,393	..	..	..
	Horns, honey, wax, &c. ..	1,050	6,591	1,860	..	..	..
	Tangedu, Vembadam, &c., barks.	7,093	3,895	68,524	..	..	..
	Plumbago, mica, stone, gravel, earth, &c.	..	..	40,713	..	..	..
	Manure leaves	..	..	† 3,855	..	..	..
	Miscellaneous	31,301	2,593	3,65,360	247	2,648	..
	Grand Total ..	104,763	59,292	11,56,409	5,886	43,505	12,65,092

* Grazing.

† Very few Collectors have given the figures separately for this produce; hence the value does not show the actual removals.

ANNUAL FORM No. 57.

Forest Department, Madras Presidency.

ACCOUNT of Timber and other produce cut or collected by Government Agency and brought to depot, sold locally or otherwise disposed of during 1903–1904.

Name of district.	Balance at commencement of the year in forest and sale depots.	Received during the year.	Total.	Disposed of during the year.	Balance in hand at close of the year in forest and sale depots.
1	2	3	4	5	6
TIMBER (CUBIC FEET).					
Northern Circle.					
Ganjám	17,551	17,696	35,247	21,794	13,453
Vizagapatam	2,608	215	2,823	1,318	* 1,505
Gódávari	2,664	7,620	10,284	6,088	4,196
Kistna	45	3,048	3,093	3,093	..
Kurnool	11,436	9,037	20,473	14,028	6,445
Bellary	96,862	458	97,320	93,442	3,878
Anantapur	..	..	..	..	..
Total ..	131,166	38,074	169,240	139,763	29,477
Central Circle.					
Cuddapah	1,296	7,156	8,452	7,680 † 160	612
Nellore	..	4,301	4,301	3,209	1,092
Chingleput	..	40	40	40	..
North Arcot	* 2,023	2,073	4,096	3,460 ‡ 581 † 11	44
South do.	456	7	463	315 ‡ 20	128
North Salem	1,361	8,748	10,109	3,876	6,233
South do.	815	1,774	2,589	1,579	1,010
Trichinopoly	..	..	..	..	..
Tanjore	..	..	..	..	..
Total ..	5,951	24,099	30,050	20,931	9,119
Southern Circle.					
South Canara	65,284	10,929	76,213	12,007 † 571 ‡ 560	63,075
Malabar (North)	213,768	88,003	301,771	148,643	153,128
Do. (South)	22,276	83,874	106,150	77,039	29,111
The Nilgiris	20,952	20,941	41,893	32,873	9,020
Coimbatore (North)	18,959	6,605	25,564	22,198	3,366
Do. (South)	120,399	44,853	165,252	51,267 § 8,050	105,935
Madura	577	728	1,305	1,265	40
Tinnevelly	730	2,088	2,818	2,271	547
Total ..	462,945	258,021	720,966	356,744	364,222
Grand Total ..	600,062	320,194	920,256	517,438	402,818
FUEL (CUBIC FEET).					
Northern Circle.					
Ganjám	3,020	24,078	27,098	16,198	10,900
Vizagapatam	* 14,620	206,257	220,877	205,521	15,356
Gódávari	102,121	387,247	489,368	410,719	78,649
Kistna	14,417	145,457	159,874	89,132	70,742
Kurnool	384,563	1,454,509	1,839,072	1,588,424	250,648
Bellary	52,480	286,878	339,358	140,560	198,798
Anantapur	..	28,696	28,696	..	28,696
Total ..	571,221	2,533,122	3,104,343	2,450,554	653,789
Central Circle.					
Cuddapah	107,975	192,695	300,670	184,718	115,952
Nellore	* 37,872	577,233	615,105	520,886	94,219
Chingleput	20,940	60,780	81,720	76,545	5,175
North Arcot	* 1,853	159,645	161,498	117,536 † 4,125 ‡ 809	39,028
South do.	2,664	15,587	18,251	10,640 ‡ 5,552	2,049
North Salem	3,504	121,223	124,727	120,376	4,351
South do.	156,627	273,442	430,069	365,136	64,933
Trichinopoly	20,719	374,558	395,277	325,420 † 24,416	45,441
Tanjore	16,335	..	16,335	16,335	..
Total ..	368,489	1,775,163	2,143,652	1,772,504	371,148

* Revised figure. † Written off. ‡ Used departmentally. § Wastage by sowing.

Account of Timber and other produce cut or collected by Government Agency and brought to depot, sold locally or otherwise disposed of during 1903-1904—*cont.*

Name of district.	Balance at commencement of the year in forest and sale depots.	Received during the year.	Total.	Disposed of during the year.	Balance in hand at close of the year in forest and sale depots.
1	2	3	4	5	6
FUEL (CUBIC FEET)—*cont.*					
Southern Circle.					
South Canara	..	30,270	30,270	29,675	595
Malabar (North)	..	..	..	..	..
Do. (South)	60,154	64,562	124,716	117,386	7,330
The Nilgiris	172,904	229,302	402,206	180,441	221,765
Coimbatore (North)	* ..	1,000	1,000	600	400
Do. (South)	35,472	398,542	434,014	309,633	124,381
Madura	43,096	1,125,897	1,168,993	1,156,912 † 7,366	4,715
Tinnevelly	..	22,580	22,580	19,530	3,050
Total	311,626	1,872,153	2,183,779	1,821,943	362,236
Grand Total	1,251,336	6,180,438	7,433,634	6,046,461	1,387,173
BAMBOOS (NUMBER).					
Northern Circle.					
Ganjám	5,400	384,200	389,600	* 385,920	3,680
Vizagapatam	..	1,370	1,370	1,370	..
Gódávari	..	1,750	1,750	1,600	150
Kistna	117	134	251	251	..
Kurnool	..	300	300	200	100
Bellary	1,548	399	1,947	1,407	540
Total	7,065	388,153	395,218	390,748	4,470
Central Circle.					
North Arcot	..	504	504	§ 504	..
South do.	..	777	777	777	..
North Salem	135	76,323	76,458	3,470	72,988
South do.	..	250	250	215	35
Total	135	77,854	77,989	4,966	73,023
Southern Circle.					
South Canara	..	1,033	1,033	133	900
Malabar (North)	..	14,400	14,400	..	14,400
Do. (South)	120	26,222	26,342	23,872	2,470
Coimbatore (North)	..	5,369	5,369	5,369	..
Do. (South)	868	141	1,009	497	512
Tinnevelly	..	17	17	17	..
Total	988	47,182	48,170	29,888	18,282
Grand Total	8,188	513,189	521,377	425,602	95,775
MINOR PRODUCE (MAUNDS OF 25 LB.).					
Northern Circle.					
Ganjám	150	..	150	150	..
Vizagapatam	* 184	11,077	11,261	10,520	741
Gódávari	..	366	366	366	..
Kistna	..	15,063	15,063	376	14,687
Kurnool	..	467	467	467	..
Bellary	..	7,578	7,578	2,235	5,343
Anántapur	* 2,598	650	3,248	..	3,248
Total	2,932	35,201	38,133	14,114	24,019
Central Circle.					
Cuddapah	350	..	350	15	335
Nellore	* 1,693	6,047	7,740	5,641	2,099
Chingleput	..	338	338	338	..
North Arcot	540	1,611	2,151	85 ‡ 90 § 896 ‖ 1,080	..
South do.	507	934	1,441	1,067	374
North Salem	313	..	313	313	..
South do.	* 3,278	1,442	4,720	2,305	2,415
Trichinopoly	..	245	245	245	..
Tanjore	8	..	8	5	3
Total	6,689	10,617	17,306	12,080	5,226
Southern Circle.					
South Canara	279	1,877	2,156	1,878	278
Malabar (North)	* 118	1,357	1,475	969	506
Do. (South)	..	..	..	..	..
The Nilgiris	5,290	5,893	11,183	6,582	4,601
Coimbatore (North)	12,159	46,615	58,774	23,723 § 12,051	23,000
Do. (South)	566	3,203	3,769	3,323	446
Total	18,412	58,945	77,357	48,526	28,831
Grand Total	28,033	104,763	132,796	74,720	58,076

* Revised figure. † Written off. ‡ Spoiled by rain. § Used departmentally. ‖ Distributed free to ryots.

ANNUAL FORM No. 58.

Forest Department, Madras Presidency.

STATEMENT showing the Value of Timber and other Produce at sale depots for the year 1903–1904.

District.	Description of timber or produce.	On hand at commencement of the year.			On hand at close of the year.			Difference in value.	
		Number.	Cubic feet.	Value.	Number.	Cubic feet.	Value.	In favour of the year.	Against the year.
1	2	3	4	5	6	7	8	9	10
	Northern Circle.			RS.			RS.	RS.	RS.
Ganjám ..	Sál	..	6,529	2,448	..	9,187	2,297	..	151
	Miscellaneous ..	..	* 565	141		107	7	..	134
	Total, Timber..	..	7,094	2,589	..	9,294	2,304	..	285
	Fuel	..	3,020	283	..	2,275	216	..	67
	Bamboos	5,400 MDS.	..	34	3,680	..	23	..	11
	Minor produce ..	150	..	150	..	..	..	..	150
Vizagapatam.	Miscellaneous timber ..	..	2,608	1,846	..	1,505	1,092	..	754
	Fuel	..	* 14,620	906	..	15,356	1,021	115	..
	Minor produce ..	*184 MDS.	..	11	741 MDS.	..	73	62	..
Gódávari ..	Teak	..	..	..	..	1,630	815	..	..
	Ebony	..	73	183	..	73	183	..	..
	Miscellaneous ..	..	2,591	1,481	..	2,493	1,413	..	..
	Total, Timber..	..	2,664	1,664	..	4,196	2,411	747	..
Kistna ..	Fuel	..	102,121	6,384	..	78,649	3,575	..	2,809
	Bamboos ..	..	..	.	150	..	5	5	..
	Miscellaneous timber ..	..	45	7	..	..	..	..	7
	Fuel	..	* 2,968	205	..	26,811	3,560	3,355	..
	Bamboos ..	117	..	45	‡ 251 MDS.	..	..	..	..
	Minor produce ..	..	..	..	197	..	54	54	..
Kurnool ..	Miscellaneous timber ..	..	11,436	8,577	..	6,445	3,224	..	5,353
	Fuel	..	384,563	22,620	..	250,648	14,744	..	7,876
Bellary ..	Teak	..	1,026	57	..	513	28	..	..
	Miscellaneous timber ..	..	95,836	3,500	..	3,365	350	..	..
	Total, Timber..	..	96,862	3,557	..	3,878	378	..	3,029
	Fuel	..	52,480	4,892	..	198,798	16,566	11,674	..
	Bamboos ..	1,548	..	221	540	..	10	211	..
	Minor produce ..	..	..	..	5,343 MDS.	..	300	300	..
Anántapur.	Fuel	..	..	..	..	28,696	2,110	2,110	..
	Minor produce ..	* 2,598 MDS.	..	100	3,248 MDS.	..	35	..	65
	Central Circle.								
Cuddapah ..	Miscellaneous timber ..	..	1,296	388	..	612	183	..	205
	Fuel	..	107,965	5,190	..	115,952	5,574	384	..
	Minor produce ..	350 MDS.	..	†	335 MDS.	..	†	..	..
Nellore ..	Miscellaneous timber ..	..	..	..	..	1,092	289	289	..
	Fuel	..	* 37,872	1,893	..	94,219	4,382	2,489	..
	Minor produce ..	1,349 MDS.	..	1,576	1,901 MDS.	..	1,252	..	324
Chingleput.	Fuel	..	20,940	†	..	5,175	†	..	..
North Arcot*	Sandalwood ..	..	13	109	..	2	11	..	98
	Fuel	..	5	1	..	17,931	3,586	3,585	..
	Minor produce ..	2 MDS.	..	10	..	..	..	..	10
North Salem.	Miscellaneous timber ..	..	1,361	2,694	..	6,233	5,125	2,431	..
	Fuel	..	3,504	73	..	4,351	91	18	..
	Bamboos ..	135	..	114	72,988	..	1,281	1,167	..
	Minor produce ..	313 MDS.	..	2	..	..	..	..	2

* Revised figure. † Not reported.

‡ All this have been shown by the Collector in Form 57 as disposed of.

Statement showing the Value of Timber and other Produce at sale depots, etc.—*cont.*

District.	Description of timber or produce.	On hand at commencement of the year.			On hand at close of the year.			Difference in value.	
		Number.	Cubic feet.	Value.	Number.	Cubic feet.	Value.	In favour of the year.	Against the year.
1	2	3	4	5	6	7	8	9	10
				RS.			RS.	RS.	RS.
South Salem.	Sandalwood ..	..	15	150	..	141	1,410	1,260	..
	Miscellaneous timber ..	..	800	600	..	869	650	50	..
	Total, Timber ..	..	815	750	..	1,010	2,060	1,310	..
	Fuel	..	156,627	9,779	..	64,933	6,461	..	3,318
	Minor produce ..	MDS. 3,278	..	210	MDS. 2,415	..	127	..	83
	Bamboos ..	..	..	..	35	..	8	8	..
Trichinopoly ..	Fuel	..	31,078	3,640	..	45,441	5,573	1,933	..
Tanjore ..	Fuel	..	16,335	2,178	..	..	..	..	2,178
	Minor produce ..	MDS. 8	..	5	MDS. 3	..	2	..	3
	Southern Circle.								
South Canara.	Miscellaneous timber ..	..	2,921	2,225	..	4,254	3,315	1,090	..
	Bamboos ..	..	..	..	900	..	90	90	..
	Minor produce ..	MDS. 279	..	†	MDS. 125	..	†	..	..
North Malabar.	Teak	..	91,424	51,426	..	114,358	64,336	12,910	..
	Vengai	..	30,882	17,471	..	31,410	17,668	197	..
	Rosewood ..	..	3,219	1,811	..	1,786	1,005	..	806
	Matti	..	85,778	10,722	..	4,140	517	..	10,205
	Benteak	..	1,319	165	..	34	4	..	161
	Miscellaneous ..	..	1,146	143	..	1,400	174	31	..
	Total, Timber ..	..	213,768	81,738	..	153,128	83,704	1,966	..
	Bamboos ..	..	..	..	14,400	..	720	720	..
	Minor produce ..	MDS. †	..	826	MDS. †	..	690	..	136
South Malabar.	Teak	..	16,028	7,326	..	3,535	3,895	..	..
	Rosewood ..	..	72			..			
	Ironwood ..	..	1,394			14,391			
	Matti or Karimaridu ..	..	603			983			
	Hopea	..	..			164			
	Miscellaneous ..	..	4,179			10,038			
	Total, Timber ..	..	22,276	7,326	..	29,111	3,895	..	3,431
	Fuel	..	60,154	3,750	..	7,330	383	..	3,367
	Bamboos ..	120	..	2	2,470	..	100	98	..
The Nilgiris.	Teak	..	60	210	..	258	904	694	..
	Vengai	..	*105	210	..	4	6	..	204
	Total, Timber ..	..	165	420	..	262	910	490	..
	Fuel and charcoal	..	*13,831	1,100	..	14,577	1,101	1	..
	Minor produce ..	MDS. *88	..	178	MDS. 38	..	38	..	140
North Coimbatore.	Sandalwood ..	..	2,945	41,223	..	280	722	..	40,501
	Vengai	..	812	610	..	2,132	2,132	1,522	..
	Teak	..	632	632	..	43	43	..	589
	Rosewood ..	..	..	..	..	99	99	99	..
	Karimaridu ..	..	..	..	..	17	14	14	..
	Miscellaneous ..	..	14,570	7,363	..	795	1,104	..	6,259
	Total, Timber ..	..	18,959	49,828	..	3,366	4,114	..	45,714
	Fuel	..	* ..	..	..	400	44	44	..
	Minor produce ..	MDS. 12,159	..	11,538	MDS. 23,000	..	16,751	5,213	..

* Revised figure. † Not reported.

Statement showing the Value of Timber and other Produce at sale depots, &c.—*cont.*

District.	Description of timber or produce.	On hand at commencement of the year.			On hand at close of the year.			Difference in value.	
		Number.	Cubic feet.	Value.	Number.	Cubic feet.	Value.	In favour of the year.	Against the year.
1	2	3	4	5	6	7	8	9	10
				Rs.			Rs.	Rs.	Rs.
South Coimbatore.	Ironwood ..	..	311	200	..	317	204	..	..
						138	82		
	Karimaridu ..	..	1,784	1,216	..	3,707	2,392	..	..
	Teak	..	3,813	8,730	..	8,731	18,778	..	..
	Rosewood ..	..	37	64	..	447	923	..	..
	White cedar ..	..	..	..	..	251	369	..	..
	Vengai	..	59	66	..	..	..	..	..
	Miscellaneous ..	..	3,583	2,431	..	6,733	4,612	..	..
	Total, Timber ..	..	* 9,587	12,707	..	20,324	27,360	14,653	..
	Fuel	..	35,472	745	..	60,258	2,091	1,346	..
	Bamboos ..	868	..	83	..	..	..	..	83
		Mds.			Mds.				
	Minor produce ..	* 416	..	1,260	308	..	636	..	624
Madura ..	Miscellaneous timber ..	..	577	288	..	40	20	..	268
	Fuel	..	43,096	1,616	..	4,715	471	..	1,145
Tinnevelly ..	Miscellaneous timber ..	..	730	650	..	547	251	..	399
	Fuel	..	..	..	..	3,050	153	153	..

Abstract.

Northern Circle.			Rs.				Rs.	Rs.	Rs.
Timber	..	120,709	18,240	..	25,318	9,409	..	8,831
Fuel	..	559,772	35,290	..	601,233	41,792	6,502	..
Bamboos ..	7,065	..	300	4,621	..	38	..	262
	Mds.			Mds.				
Minor produce ..	2,932	..	261	9,242	..	462	201	..
Central Circle.								
Timber	..	3,485	3,941	..	8,949	7,668	3,727	..
Fuel	..	374,326	22,754	..	348,002	25,667	2,913	..
Bamboos ..	135	..	114	73,023	..	1,289	1,175	..
	Mds.			Mds.				
Minor produce ..	5,300	..	1,803	4,654	..	1,381	..	422
Southern Circle.								
Timber	..	268,983	1,55,182	..	211,032	1,23,569	..	31,613
Fuel	..	152,553	7,211	..	90,330	4,243	..	2,968
Bamboos ..	988	..	85	17,770	..	910	825	..
	Mds.			Mds.				
Minor produce ..	12,942	..	13,802	23,471	..	18,115	4,313	..

Grand Total.

			Rs.			Rs.	Rs.	Rs.
Timber	..	393,177	1,77,363	..	245,299	1,40,646	..	36,717
Fuel	..	1,086,651	65,255	..	1,039,565	71,702	6,447	..
Bamboos ..	8,188	..	499	95,414	..	2,237	1,738	..
	Mds.			Mds.				
Minor produce ..	21,174	..	15,866	37,367	..	19,958	4,092	..

* Revised figure.

ANNUAL

SUMMARY of Revenue of the different districts

Budget heads.	Northern				
	Direction.	Ganjám.	Vizaga-patam.	Gódavari.	Kistna.
1	2	3	4	5	6
Receipts.	RS.	RS.	RS.	RS.	RS.
I. Timber and other produce removed from the forests by Government Agency—					
(*a*) Timber	..	3,281	342	725	..
(*b*) Firewood and charcoal	..	1,635	10,121	18,641	7,589
(*c*) Bamboos	..	2,489	17	..	..
(*d*) Sandalwood	..	..	..	..	..
(*e*) Grass and other minor produce	* 38	57	548	106	56
II. Timber and other produce removed from the forests by consumers or purchasers—					
(*a*) Timber	..	13,325	4,618	36,085	13,191
(*b*) Firewood and charcoal	..	6,457	4,557	18,615	12,440
(*c*) Bamboos	..	5,725	9,574	38,260	3,266
(*d*) Grazing and fodder grass	..	12,109	5,011	22,956	87,582
(*e*) Other produce	..	4,045	11,668	35,951	15,932
(*f*) Tree owners' fees	..	377	159	6,153	6,747
III. Confiscated drift and waifwood	..	661	28	4,155	. 27
IV. Revenue from forests not managed by Government	..	..	..	..	..
V. Miscellaneous—					
(*a*) Fines and forfeitures	..	1	..	1,373	25
(*b*) Other sources	..	1,074	2,261	4,488	2,158
Total, Receipts ..	38	51,236	48,904	1,87,508	1,49,013

Budget heads.	Central Circle—*cont.*					
	South Arcot.	North Salem.	South Salem.	Trichi-nopoly.	Tanjore.	Total.
	16	17	18	19	20	21
Receipts.	RS.	RS.	RS.	RS.	RS.	RS.
I. Timber and other produce removed from the forests by Government Agency—						
(*a*) Timber	..	1,786	511	408	..	12,918
(*b*) Firewood and charcoal	496	14,982	35,146	34,718	2,911	1,38,624
(*c*) Bamboos	110	132	18	..	..	260
(*d*) Sandalwood	53	14,264	2,534	..	..	36,218
(*e*) Grass and other minor produce	59	21	55	147	5	2,200
II. Timber and other produce removed from the forests by consumers or purchasers—						
(*a*) Timber	5,106	5,903	11,938	3,524	965	55,395
(*b*) Firewood and charcoal	40,258	9,904	6,892	31,993	10,382	1,68,368
(*c*) Bamboos	100	8,493	24,472	1,415	262	68,996
(*d*) Grazing and fodder grass	55,108	33,957	25,774	17,350	888	2,64,872
(*e*) Other produce	28,130	14,665	22,929	20,595	4,706	2,06,531
(*f*) Tree owners' fees	1,996	1,235	436	2	99	22,646
III. Confiscated drift and waifwood	247	191	390	221	8	2,442
IV. Revenue from forests not managed by Government	..	..	..	..	..	..
V. Miscellaneous—						
(*a*) Fines and forfeitures	882	836	442	133	21	3,240
(*b*) Other sources	808	5,598	9,999	7,576	4,404	43,670
Total, Receipts ..	1,33,353	1,11,967	1,41,536	118,082	24,651	10,26,380

MADRAS,
31st August 1903.

* On account of Kistna district.

FORM No. 59.

for the Forest year 1903–1904.

Circle.				Central Circle.				
Kurnool.	Bellary.	Anantapur.	Total.	Direction.	Nellore.	Cuddapah.	Chingleput.	North Arcot.
7	8	9	10	11	12	13	14	15
RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
10,135	3,665	..	18,148	¶ 6,203	329	2,929	6	746
86,868	24,660	49	1,49,563	† 14,131	14,560	6,402	3,579	11,759
..	50	..	2,556	..	..	..	..	..
..	1,562	..	1,562	‡ 15,972	..	..	..	3,395
192	169	1	1,167	..	1,760	3	66	84
21,242	6,954	5,447	1,00,862	§ 8	5,301	13,721	3,589	5,340
17,038	4,921	2,729	66,757	§ 15,737	17,831	9,811	8,542	17,018
22,417	1,693	376	81,311	..	25	5,726	56	28,447
43,811	37,655	18,657	2,27,781	..	45,506	38,843	13,001	34,445
11,600	27,244	45,766	1,52,206	§ 1,914	27,346	50,069	8,392	27,785
19,054	22,067	9,939	64,496	..	2,190	6,686	3,319	6,683
1,119	88	40	6,118	..	635	377	69	304
..	..	..	..	..	..	..	..	..
57	28	160	1,644	..	32	181	56	657
2,939	4,753	2,372	20,045	‖ 1,598	4,131	9,012	128	416
2,36,472	1,35,509	85,536	8,94,216	55,563	1,19,586	1,43,760	40,803	1,37,079

Southern Circle.									
Direction.	Nilgiris.	North Coimbatore.	South Coimbatore.	Madura.	Tinnevelly.	North Malabar.	South Malabar.	South Canara.	Total.
22	23	24	25	26	27	28	29	30	31
RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
..	10,914	2,700	45,642	6,109	1,980	33,841	18,866	4,576	1,24,628
..	11,719	25	5,331	49,663	1,147	..	4,198	2,325	74,408
..	..	1	60	..	4	..	1,047	2	1,114
..	1,115	28,123	..	..	..	..	..	..	29,238
..	3,861	19,496	4,645	..	6	1,248	3	14,558	43,817
..	5,629	2,259	15,209	6,284	1,553	3,382	14,553	3,883	52,752
..	3,100	10,869	12,185	42,059	63,489	171	6	11,229	1,43,108
..	1,269	6,562	10,030	4,799	650	377	1,716	1,128	26,531
..	9,191	56,395	10,247	24,304	6,494	2,794	62	5,260	1,14,747
..	974	7,312	4,942	27,941	27,921	1,739	2,117	15,849	88,795
..	..	11	..	5	..	..	3	2,625	2,644
..	20	226	505	565	1,763	211	1,791	1,710	6,791
..	..	..	..	..	..	..	..	..	..
..	..	2	96	497	182	16	296	189	1,278
‡ 60	5,396	5,751	6,732	10,586	3,633	16,033	6,725	5,208	60,124
60	53,188	1,39,732	1,15,624	1,72,812	1,08,822	59,812	51,383	68,542	7,69,975

(Signed) E. S. HENSMAN,
Chief Superintendent.

† On account of Nellore .. .. RS. 11,339
Do. of South Coimbatore .. 2,792
14,131

‡ On account of North Coimbatore.
§ On account of Nellore.

‖ On account of Nellore .. .. RS. 1,498
Do. of North Coimbatore .. 90
Do. of South do. .. 10
1,598

¶ On account of North Malabar .. 5,720
Do. of South Coimbatore .. 483
6,203

Forest Department, Madras Presidency, Northern Circle.

SUMMARY of Expenditure of the different Districts for the Forest year 1903-1904.

Budget heads.	Direction.	Ganjam.	Vizagapatam.	Gódávari.	Kistna.	Kurnool.	Bellary.	Anantapur.	Total.
	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
I.—Refunds and Drawbacks.	..	563	86	2,041	1,229	194	842	551	5,506
A. Conservancy and Works.									
I. Timber and other produce removed from the forests by Government Agency—									
(*a*) Timber	..	1,993	4	..	..	3,213	431	..	5,641
(*b*) Firewood and charcoal	..	614	5,736	8,109	7,082	36,917	13,292	124	71,874
(*c*) Bamboos	..	1,270	..	..	..	..	12	..	1,282
(*d*) Sandalwood ..	..	..	..	..	..	..	266	..	266
(*e*) Grass and other minor produce ..	4	78	181	23	1,501	146	1,639	38	3,610
II. Timber and other produce removed from the forests by consumers or purchasers	..	5,343	4,715	15,399	4,932	17,068	3,852	1,833	53,142
III. Confiscated, drift and waif-wood	..	11	3	810	2	25	6	1	858
IV. Revenue from forests not managed by Government	..	..	..	..	..	..	..	..	..
V. Rent of leased forests and payments to share-holders in forests managed by Government	..	..	400	..	..	..	10,000	..	10,400
VI. Live-stock, stores, tools and plant—									
(*a*) Purchase of cattle ..	..	..	..	..	..	56	339	..	395
(*b*) Feed and keep of cattle	..	..	630	646	..	5,130	2,197	..	8,603
(*c*) Stores, tools and plant	74	253	44	863	1,394	1,573	604	299	5,104
VII. Communications and buildings—									
(*a*) Roads and bridges..	..	304	92	2,609	271	3,764	293	508	7,841
(*b*) Buildings	63	3,681	1,668	2,831	1,706	3,345	930	1,498	15,722
(*c*) Other works ..	..	25	6	5,219	516	..	30	107	5,903
VIII. Demarcation, improvement and extension of forests—									
(*a*) Demarcation ..	..	910	4	1,199	1,989	1,571	596	401	6,670
(*b*) Cost of forest settlement; compensation for land and rights	..	114	22	..	154	2,613	..	..	2,903
(*c*) Surveys (1) Local ..	3	625	450	1,555	745	1,265	370	..	5,013
(*c*) Surveys (2) India ..	37,192	..	..	..	..	..	..	..	37,192
(*d*) Working plans ..	3	223	..	294	..	10	..	484	1,014
(*e*) Sowing and planting.	397	367	93	5,579	3,754	68	859	114	11,231
(*f*) Protection from fire.	..	2,941	134	3,872	188	1,771	768	1,348	11,022
(*g*) Other works ..	..	85	..	127	11,185	334	4,560	3,579	19,870
IX. Miscellaneous—									
(*a*) Law charges ..	..	..	..	..	270	66	..	..	336
(*b*) Other charges ..	19	29	42	62	10	105	136	21	424
Total, A. Conservancy and Works	37,755	19,429	14,310	51,238	36,928	79,234	42,022	10,906	2,91,822

MADRAS,
31st August 1904.

(Signed) P. V. KRISHNASWAMI,
Officiating Chief Superintendent.

Forest Department, Madras Presidency, Central Circle.

Summary of Expenditure of the different Districts for the Forest year 1903-1904—*cont.*

Budget heads.	Direction.	Nellore.	Cuddapah.	Chingleput.	North Arcot.	South Arcot.	North Salem.	South Salem.	Trichinopoly.	Tanjore.	Total.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
I. Refunds and Drawbacks ..	..	13,450	347	147	1,198	2,889	392	597	242	107	19,369
A. Conservancy and Works.											
I. Timber and other produce removed from the forests by Government Agency—											
(*a*) Timber ..	..	141	2,360	1	228	..	2,822	535	..	..	6,087
(*b*) Firewood and charcoal ..	..	11,931	3,393	1,532	7,019	233	10,708	24,634	20,757	1,298	81,505
(*c*) Bamboos ..	..	..	..	..	..	3	634	8	..	..	645
(*d*) Sandalwood ..	..	..	..	..	202	..	752	299	..	..	1,253
(*e*) Grass and other minor produce ..	..	1,829	..	47	73	57	..	75	22	..	2,103
II. Timber and other produce removed from the forests by consumers or purchasers ..	..	4,170	13,326	1,742	3,523	2,404	3,072	4,434	2,849	461	35,981
III. Confiscated, drift and waifwood	..	1	50	..	2	2	7	10	1	..	73
IV. Revenue from forests not managed by Government	..	..	..	..	..	..	..	..	..	..	..
V. Rent of leased forests and payments to shareholders in forests managed by Government	..	..	..	..	..	..	..	..	..	..	..
VI. Live-stock, stores, tools and plant—											
(*a*) Purchase of cattle ..	..	..	..	..	..	..	..	..	..	..	..
(*b*) Feed and keep of cattle ..	..	..	..	..	..	..	..	..	..	..	..
(*c*) Stores, tools and plant ..	1	4,843	69	50	740	658	383	838	344	10	7,936
VII. Communications and buildings—											
(*a*) Roads and bridges ..	..	..	168	618	1,219	270	1,162	1,735	..	..	5,172
(*b*) Buildings ..	12	1,350	1,182	835	3,190	399	520	2,943	191	77	10,699
(*c*) Other works ..	..	..	10	59	159	65	53	132	7	..	485
VIII. Demarcation, improvement and extension of forests—											
(*a*) Demarcation ..	..	876	107	589	353	1,074	475	143	1,996	25	5,638
(*b*) Cost of forest settlement; compensation for land and rights ..	..	5	70	159	..	..	..	195	..	..	429
(*c*) Surveys—											
(1) Local ..	296	292	360	325	249	260	1,070	939	360	..	4,151
(2) India ..	10,140	..	..	..	..	..	..	..	..	..	10,140
(*d*) Working plans.	..	67	78	..	548	..	..	98	37	..	828
(*e*) Sowing and planting ..	..	7,497	1,129	510	1,132	1,651	38	73	1,086	2,110	15,226
(*f*) Protection from fire	..	2,211	3,116	353	3,327	743	1,195	1,241	187	..	12,373
(*g*) Other works ..	..	1,607	2,965	2,382	7,819	9,248	3,115	4,790	3,527	404	35,857
IX. Miscellaneous—											
(*a*) Law charges ..	..	..	..	..	..	..	..	..	14	..	14
(*b*) Other charges .	48	65	6	16	115	11	45	132	16	..	454
Total, A Conservancy and Works	10,497	50,335	28,736	9,365	31,096	19,967	26,443	43,851	31,636	4,492	2,56,418

MADRAS,
31st August 1904.

(Signed) P. V. KRISHNASWAMI,
Officiating Chief Superintendent.

Forest Department, Madras Presidency, Southern Circle.

Summary of Expenditure of the different Districts for the Forest year 1903–1904—*cont.*

Budget heads.	Direction.	The Nilgiris.	North Coimbatore.	South Coimbatore.	Madura.	Tinnevelly.	North Malabar.	South Malabar.	South Canara.	Total.
	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
I. Refunds and Drawbacks.	..	74	604	233	380	903	4	2	126	2,326
A. Conservancy and Works.										
I. Timber and other produce removed from the forests by Government Agency—										
(*a*) Timber ..	..	1,725	2,256	20,139	..	1,364	10,252	6,463	4,913	47,112
(*b*) Firewood and charcoal ..	..	8,611	21	4,339	39,202	564	..	3,009	224	55,970
(*c*) Bamboos ..	..	..	..	..	..	2	144	1,456	46	1,648
(*d*) Sandalwood ..	..	130	11,513	..	..	..	..	..	..	11,643
(*e*) Grass and other minor produce.	..	1,936	16,085	3,054	..	..	605	..	3,126	24,806
II. Timber and other produce removed from the forests by consumers or purchasers ..	..	906	3,929	5,491	2,965	2,224	582	37	4,996	21,130
III. Confiscated, drift and waifwood	..	2	10	54	51	4	7	8	58	194
IV. Revenue from forests not managed by Government	..	..	..	..	..	..	..	..	..	..
V. Rent of leased forests and payments to shareholders in forests managed by Government	..	4,500	..	2,500	..	..	..	5,057	..	12,057
VI. Live-stock, stores, tools and plant—										
(*a*) Purchase of cattle ..	..	..	..	4,871	..	..	3,233	505	..	8,609
(*b*) Feed and keep of cattle ..	..	3,866	..	16,675	..	..	8,429	9,480	1,688	40,138
(*c*) Stores, tools and plant ..	203	75	179	2,544	213	485	324	2,418	—7	6,434
VII. Communications and buildings—										
(*a*) Roads and bridges ..	..	2,586	8,469	2,971	5,936	5,323	1,994	1,911	62	29,252
(*b*) Buildings ..	..	1,894	3,030	4,464	3,129	3,859	795	802	1,436	19,349
(*c*) Other works ..	..	90	542	2,294	531	25	387	739	36	4,644
VIII. Demarcation, improvement and extension of forests—										
(*a*) Demarcation ..	..	1,967	1,932	187	3,061	454	1,870	2	2,255	11,728
(*b*) Cost of forest settlement; compensation for land and rights ..	..	..	..	..	..	..	227	..	179	406
(*c*) Surveys—										
(1) Local ..	..	373	296	2,181	326	360	428	269	824	5,057
(2) India ..	22,701	..	..	..	..	..	..	..	..	22,701
(*d*) Working plans.	..	..	..	..	..	..	35	1	..	36
(*e*) Sowing and planting ..	220	1,747	129	456	..	566	3,626	7,196	175	14,115
(*f*) Protection from fire	..	3,086	852	2,729	1,617	1,969	6,948	2,027	1,707	20,935
(*g*) Other works ..	..	791	5,478	1,443	8,063	4,118	1,331	1,046	88	22,358
IX. Miscellaneous—										
(*a*) Law charges ..	..	116	..	..	..	557	..	45	88	806
(*b*) Other charges ..	338	3,417	603	540	60	69	883	87	30	6,027
Total A, Conservancy and Works ..	23,462	37,802	55,928	77,165	65,534	22,876	42,104	42,560	22,050	3,89,481

MADRAS,
31st August 1904.

(Signed) P. V. KRISHNASWAMI,
Officiating Chief Superintendent.

Summary of Expenditure of the different Districts for the Forest year 1903–1904—*cont.*

SUMMARY of Expenditure of the different Districts-

Budget heads.	Northern Circle.									Central				
	Direction.	Ganjám.	Vizagapatam.	Gódávari.	Kistna.	Kurnool.	Bellary.	Anantapur.	Total.	Direction.	Nellore.	Cuddapah.	Chingleput.	North Arcot.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
B.—"*Establishments.*"	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
Brought forward. Total A. "Conservancy and Works"	563	19,429	14,310	51,238	36,928	79,234	42,022	10,906	2,91,822	357	50,335	28,736	9,365	31,096
I. Salaries—														
(*a*) Conservators ..	16,064	..	..	..	..	..	..	..	16,064	19,200	..	..	..	..
(*b*) Superior officers..	15,654	8,413	6,993	11,776	6,600	13,682	10,100	7,094	80,312	8,206	12,342	9,038	4,751	11,984
(*c*) Subordinate forest and depot establishments ..	1,350	10,102	5,638	12,912	9,205	16,162	8,056	7,366	70,791	2,966	10,911	16,214	5,326	14,246
(*d*) Office establishments	10,111	3,172	2,541	5,263	4,087	4,842	3,257	2,959	36,232	10,324	4,668	4,849	2,044	4,322
(*e*) Deputation and special allowances	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Exchange compensation allowance	1,517	438	437	517	412	509	441	443	4,714	1,200	..	496	..	421
II. Travelling allowances—														
(*a*) Conservators ..	3,556	..	..	..	..	..	..	..	3,556	2,587	..	..	..	..
(*b*) Superior officers.	4,136	2,159	1,796	3,082	1,925	3,639	2,091	1,912	20,740	2,033	1,862	1,699	804	1,376
(*c*) Subordinate forest and depot establishments.	510	2,832	1,798	3,957	2,885	4,792	2,168	1,680	20,622	820	3,082	4,070	1,275	3,598
(*d*) Office establishments	2,738	467	305	1,092	711	656	654	613	7,266	1,634	827	667	349	654
III. Contingencies—														
(*a*) Stationery ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
(*b*) Rents, rates and taxes	343	105	412	140	283	170	136	117	1,706	..	115	323	22	180
(*c*) Official postage.	822	552	377	1,697	1,294	1,395	940	1,061	8,138	623	629	1,094	721	1,744
(*d*) Service telegrams.	250	32	36	64	64	127	38	43	654	155	53	63	8	54
(*e*) Sundries ..	2,309	719	633	2,505	1,200	913	745	944	9,968	1,883	1,386	939	312	938
Total B.—"Establishments".	9,360	28,991	20,966	43,005	28,696	46,887	28,626	24,232	2,80,763	51,631	35,875	39,452	15,612	39,517
Grand Total of Expenditure.	59,923	48,420	35,276	94,243	65,624	1,26,121	70,648	35,138	5,72,585	51,988	86,210	68,188	24,977	70,613

MADRAS,
31st August 1904.

for the Forest year 1903–1904.

Circle.						Southern Circle.									
South Arcot.	North Salem.	South Salem.	Trichinopoly.	Tanjore.	Total.	Direction.	The Nilgiris.	North Coimbatore.	South Coimbatore.	Madura.	Tinnevelly.	North Malabar.	South Malabar.	South Canara.	Total.
16	17	18	19	20	21	22	23	24.	25	26	27	28	29	30	31
RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
19,967	26,443	43,851	31,636	4,492	2,56,418	761	37,802	55,928	77,165	65,534	22,876	42,104	42,560	22,050	3,89,481
..	..	..	..	..	19,200	16,800	..	..	..	..	..	..	..	..	16,800
10,800	6,018	12,487	4,800	..	80,456	8,096	10,601	11,252	7,842	7,800	7,293	9,145	1,353	8,088	71,470
11,501	6,883	7,709	7,595	1,777	85,128	2,125	13,020	9,125	12,829	11,575	9,970	7,295	6,742	9,838	82,519
4,575	3,209	4,351	2,997	774	42,023	9,534	3,959	4,003	3,869	3,935	3,755	3,561	2,913	4,226	39,695
..	..	..	..	..	..	..	..	..	771	..	..	..	..	..	771
675	..	522	..	..	3,314	1,283	132	550	490	488	306	497	84	494	4,374
..	..	..	..	..	2,587	3,242	..	..	— 2	..	..	..	..	..	3,240
1,050	1,450	1,871	737	236	13,118	2,114	1,172	1,802	1,134	1,558	1,956	2,051	124	1,448	13,359
2,984	1,601	2,655	2,283	839	23,207	429	2,509	3,266	3,626	4,143	2,527	2,040	2,269	2,816	23,625
875	370	381	509	299	6,565	1,633	95	457	264	664	604	802	685	576	5,780
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
159	43	19	110	4	975	59	230	137	85	55	190	60	26	8	850
1,898	1,177	916	604	198	9,604	947	405	1,014	610	1,084	866	495	413	1,023	6,857
35	19	24	14	19	444	115	40	40	33	49	135	122	78	19	631
606	850	611	484	216	8,225	1,380	479	1,906	995	913	520	1,112	1,111	708	9,124
35,158	21,650	31,546	20,043	4,362	2,94,846	47,757	32,692	33,552	32,486	32,264	28,122	27,180	15,798	29,244	2,79,095
55,125	48,093	75,397	51,679	8,854	5,51,264	48,518	70,494	89,480	1,09,651	97,798	50,998	69,284	58,358	51,294	6,68,576

(Signed) P. V. KRISHNASWAMI,
Officiating Chief Superintendent.

SUMMARY of Receipts and Expenditure during 1903–1904 for each circle and for the presidency prepared in the Board's office from the Accountant-General's statement.

Budget heads.	Northern Circle.	Central Circle.	Southern Circle.	Grand Total, Presidency.	
				1903–1904.	1902–1903.
1	2	3	4	5	6
RECEIPTS.	RS.	RS.	RS.	RS.	RS.
I. Timber and other produce removed from the forests by Government Agency—					
(a) Timber	18,148	6,715	1,30,831	1,55,694	1,61,714
(b) Firewood and charcoal	1,49,563	1,35,832	77,200	3,62,595	3,99,617
(c) Bamboos	2,556	260	1,114	3,930	2,935
(d) Sandalwood	1,562	20,246	45,210	67,018	51,101
(e) Grass and other minor produce	1,167	2,200	43,817	47,184	44,671
Total, I	1,72,996	1,65,253	2,98,172	6,36,421	6,60,038
II. Timber and other produce removed from the forests by consumers or purchasers—					
(a) Timber	1,00,862	55,395	52,752	2,09,009	2,33,392
(b) Firewood and charcoal	66,757	1,68,368	1,43,108	3,78,233	3,33,043
(c) Bamboos	81,311	68,996	26,531	1,76,838	1,70,682
(d) Grazing and fodder grass	2,27,781	2,64,872	1,14,747	6,07,400	5,78,500
(e) Other produce	1,52,206	2,06,531	88,795	4,47,532	4,70,073
(f) Tree-owners' fees	64,496	22,646	2,644	89,786	10,154
Total, II	6,93,413	7,86,808	4,28,577	19,08,798	17,95,844
III. Confiscated drift and waifwood	6,118	2,442	6,791	15,351	11,935
V. Miscellaneous—					
(a) Fines and forfeitures	1,644	3,240	1,278	6,162	5,531
(b) Other sources	20,045	43,570	60,224	1,23,839	1,19,431
Total, V	21,689	46,810	61,502	1,30,001	1,24,962
Grand Total, Receipts	8,94,216	10,01,313	7,95,042	26,90,571	25,92,779
EXPENDITURE.					
I. Refunds and drawbacks	5,506	19,369	2,326	27,201	16,500
A.—Conservancy and Works.					
I. Timber and other produce removed from the forests by Government Agency—					
(a) Timber	5,641	6,087	47,112	58,840	49,371
(b) Firewood and charcoal	71,874	81,505	55,970	2,09,349	2,37,338
(c) Bamboos	1,282	645	1,648	3,575	1,966
(d) Sandalwood	266	1,253	11,643	13,162	12,762
(e) Grass and other minor produce	3,610	2,103	24,806	30,519	28,083
Total, A-I	82,673	91,593	1,41,179	3,15,445	3,29,520
II. Timber and other produce removed from the forests by consumers or purchasers	53,142	25,981	21,130	1,10,253	1,07,726
III. Confiscated drift and waifwood	858	73	194	1,125	1,524
V. Rent of leased forests and payments to shareholders in forests managed by Government	10,400	..	12,057	22,457	23,152
VI. Live-stock, stores, tools and plant—					
(a) Purchase of cattle	395	..	8,609	9,004	14,962
(b) Feed and keep of cattle	8,603	..	40,138	48,741	38,861
(c) Stores, tools and plant	5,104	7,936	6,434	19,474	13,955
Total, A-VI	14,102	7,936	55,181	77,219	67,778
VII. Communications and buildings—					
(a) Roads and bridges	7,841	5,172	29,252	42,265	43,604
(b) Buildings	15,722	10,699	19,349	45,770	53,739
(c) Other works	5,903	485	4,644	11,032	9,806
Total, A-VII	29,466	16,356	53,245	99,067	1,07,149
VIII. Demarcation, improvement and extension of forests—					
(a) Demarcation	6,670	5,638	11,728	24,036	21,983
(b) Cost of forest settlement, compensation for land and rights	2,903	429	406	3,738	45,930
(c) (1) Local surveys	5,013	4,151	5,057	14,221	14,519
(c) (2) Surveys of India	37,192	10,140	22,701	70,033	64,880
(d) Working plans	1,014	828	36	1,878	1,388
(e) Sowing and planting	11,231	15,226	14,115	40,572	43,365
(f) Protection from fire	11,022	12,373	20,935	44,330	41,042
(g) Other works	19,870	35,857	22,358	78,085	77,690
Total, A-VIII	94,915	84,642	97,336	2,76,893	3,10,797

Summary of Receipts and Expenditure during 1903–1904 for each circle and for the presidency prepared in the Board's office from the Accountant-General's statement—*cont.*

Budget heads.	Northern Circle.	Central Circle.	Southern Circle.	Grand Total, Presidency. 1903–1904.	Grand Total, Presidency. 1902–1903.
1	2	3	4	5	6
EXPENDITURE—*cont.*					
A.—Conservancy and Works—cont.	RS.	RS.	RS.	RS.	RS.
IX. Miscellaneous—					
(*a*) Law charges	336	14	806	1,156	405
(*b*) Other charges	424	454	6,027	6,905	7,744
Total, A-IX ..	760	468	6,833	8,061	8,149
Total, A.—Conservancy and Works inclusive of refunds.	2,91,822	2,56,418	3,89,481	9,37,721	9,72,385
B.—Establishments.					
I. Salaries—					
(*a*) Conservators	16,064	19,200	16,800	52,064	57,062
(*b*) Superior officers	80,312	80,456	71,470	2,32,238	2,43,910
(*c*) Subordinate forest and depot establishments.	70,791	85,128	82,519	2,38,438	2,34,764
(*d*) Office establishments	36,232	42,023	39,695	1,17,950	1,15,182
(*e*) Deputation and special allowances	..	..	771	771	480
(*f*) Exchange compensation allowance	4,714	3,314	4,374	12,402	12,809
Total, B-I ..	2,08,113	2,30,121	2,15,629	6,53,863	6,64,207
II. Travelling allowances—					
(*a*) Conservators	3,556	2,587	3,240	9,383	7,782
(*b*) Superior officers	20,740	13,118	13,359	47,217	47,046
(*c*) Subordinate forest and depot establishments.	20,622	23,207	23,625	67,454	62,839
(*d*) Office establishments	7,266	6,565	5,780	19,611	18,123
Total, B-II ..	52,184	45,477	46,004	1,43,665	1,35,790
III. Contingencies—					
(*a*) Stationery	..	..	..	..	..
(*b*) Rents, rates and taxes	1,706	975	850	3,531	3,282
(*c*) Official postage	8,138	9,604	6,857	24,599	24,110
(*d*) Service telegrams	654	444	631	1,729	
(*e*) Sundries	9,968	8,225	9,124	27,317	26,781
Total, B-III ..	20,466	19,248	17,462	57,176	54,173
Total, B.—Establishments ..	2,80,763	2,94,846	2,79,095	8,54,704	8,54,170
Grand Total, Expenditure ..	5,72,585	5,51,264	6,68,576	17,92,425	18,26,555
Surplus ..	3,21,631	4,50,049	1,26,466	8,98,146	7,66,224
Total ..	8,94,216	10,01,313	7,95,042	26,90,571	25,92,779

ANNUAL FORM No. 60.

Forest Department, Madras Presidency.

OUTSTANDINGS and Liabilities on account of Contractors and Disbursers for the Forest year 1903–1904.

	District.	Department Debtor.			Department Creditor.			Balance Due	
		At commencement of year.	Recoveries in cash and value of supplies and work done during the year.	At close of year.	At commencement of year.	Payments made during year.	At close of year.	To department (outstandings).	By department (liabilities)
		RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	
Northern Circle.	Conservator, Northern Circle	..	8,071 1 2	8,071 1 2	64 9 9	8,090 14 9	8,155 8 6	84 7 4	..
	Forest Settlement-officer, Kistna, etc., districts	..	460 2 5	460 2 5	30 5 4	474 15 0	505 4 4	45 1 11	..
	Working Plans Officer, Northern Circle	..	760 9 11	760 9 11	..	1,083 8 0	1,083 8 0	322 14 1	..
	Ganjám	..	39,614 15 1	39,614 15 1	1,509 5 1	38,795 7 2	40,304 12 3	689 13 2	..
	Vizagapatam	..	24,547 7 4	24,547 7 4	476 10 8	24,380 10 1	24,857 4 9	309 13 5	..
	Gódávari	..	80,410 7 1	80,410 7 1	2,631 4 10	80,605 6 0	83,236 10 10	2,826 3 9	..
	Kistna	..	62,249 13 2	62,249 13 2	1,378 1 1	62,471 6 5	63,849 7 6	1,599 10 4	..
	Kurnool	..	1,15,204 8 5	1,15,204 8 5	3,569 11 10	1,16,690 14 10	1,20,260 10 8	5,056 2 3	..
	Bellary	..	56,491 2 11	56,491 2 11	3,248 1 10	54,197 5 6	57,445 7 4	954 4 5	..
	Anantapur	..	23,769 4 10	23,769 4 10	486 5 4	23,674 14 5	24,161 3 9	391 14 11	..
	Total	..	4,11,579 8 4	4,11,579 8 4	13,394 7 9	4,10,465 6 2	4,23,859 13 11	12,280 5 7	..
Central Circle.	Conservator, Central Circle	..	1,369 2 1	1,369 2 1	34 7 4	1,364 5 3	1,398 12 7	29 10 6	..
	Forest Settlement-officer, Trichinopoly, etc., districts	..	223 15 4	223 15 4	47 4 1	184 5 10	231 9 11	7 10 7	..
	Working Plans Officer, Central Circle	..	1,032 4 10	1,032 4 10	29 3 8	1,033 3 3	1,062 6 11	30 2 1	..
	Nellore	..	58,141 12 9	58,141 12 9	1,086 10 8	58,429 4 9	59,515 15 5	1,374 2 8	..
	Cuddapah	..	61,282 11 1	61,282 11 1	526 1 7	62,050 8 11	62,576 10 6	1,293 15 5	..
	Chingleput	..	20,327 1 9	20,327 1 9	334 14 8	20,327 2 9	20,662 1 5	334 15 8	..
	North Arcot	..	59,787 0 6	59,787 0 6	1,528 2 11	60,560 0 7	62,088 3 6	2,301 3 0	..
	South Arcot	..	41,127 3 3	41,127 3 3	578 8 3	41,587 11 4	42,166 3 7	1,039 0 4	..
	North Salem	..	37,820 9 6	37,820 9 6	1,273 6 8	37,611 11 6	38,885 2 2	1,064 8 8	..
	South Salem	..	63,877 10 6	63,877 10 6	2,026 8 10	65,126 15 3	67,153 8 1	3,275 13 7	..
	Trichinopoly	..	36,315 11 5	36,315 11 5	994 6 6	37,369 11 3	38,364 1 9	2,048 6 4	..
	Tanjore	..	8,936 5 9	8,936 5 9	558 8 2	8,430 13 0	8,989 5 2	52 15 5	..
	Total	..	3,90,241 8 9	3,90,241 8 9	9,018 3 4	3,94,075 13 8	4,03,094 1 0	12,852 8 3	..
Southern Circle.	Conservator, Southern Circle	..	8,530 4 4	8,530 4 4	24 10 0	8,579 7 8	8,595 1 8	64 13 4	..
	Forest Settlement-officer, Trichinopoly, etc., districts	..	223 15 6	223 15 6	22 7 2	209 2 9	231 9 11	7 10 5	..
	Working Plans Officer, Southern Circle	..	658 13 2	658 13 2	21 6 7	637 6 7	658 13 2	..	..
	The Nilgiris	..	53,883 1 7	53,883 1 7	1,538 1 6	54,103 4 2	55,641 5 8	1,758 4 1	..
	North Coimbatore	..	95,007 6 5	95,007 6 5	3,204 12 9	95,986 3 9	99,191 0 6	4,183 10 1	..
	South Coimbatore	..	90,635 1 10	90,635 1 10	5,528 2 1	87,229 3 11	92,757 6 0	2,122 4 2	..
	Madura	..	55,715 8 4	55,715 8 4	964 3 9	57,077 3 4	58,041 7 1	2,3 5 14 9	..
	Tinnevelly	..	48,629 9 1	48,629 9 1	1,831 11 7	48,229 10 8	50,061 6 3	1,431 13 2	..
	North Malabar	..	53,348 6 6	53,348 6 6	2,034 15 8	52,617 10 11	54,652 10 7	1,304 4 1	..
	South Malabar	..	51,286 1 10	51,286 1 10	1,201 12 7	51,381 7 7	52,583 4 2	1,297 2 4	..
	South Canara	..	38,569 6 11	38,569 6 11	663 5 8	38,483 13 3	39,147 2 11	577 12 0	..
	Total	..	4,96,487 11 6	4,96,487 11 6	17,035 9 4	4,94,525 10 7	5,11,561 3 11	15,073 8 5	..
	Grand total	..	12,98,308 12 7	12,98,308 12 7	39,448 4 5	12,99,066 14 5	13,38,515 2 10	40,206 6 3	..

MADRAS,
31st August 1904.

(Signed) E. S. HENSMAN,
Chief Superintendent.

ANNUAL FORM No. 61.

Forest Department, Madras Presidency.

REVENUE received and Outstandings on account of Revenue during the Forest year 1903–1904.

District.	Particulars.	Outstandings at commencement of the year.	Value of sales and other revenue during year.	Total.	Amount realized during year.	Outstandings at the end of year.
		RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.
Northern Circle.						
Ganjám	Timber and other forest produce ..	297 9 11	51,018 11 5	51,316 5 4	51,236 0 0	80 5 4
Vizagapatam	Do. do.	967 12 6	48,386 3 6	49,354 0 0	48,904 0 0	450 0 0
Gódávari	Do. do.	2,608 9 6	1,88,011 10 3	1,90,620 3 9	1,87,508 0 0 (*a*)+ 0 3 6	3,112 0 3
Kistna	Do. do.	1,502 9 3	1,48,278 8 0	1,49,781 1 3	1,49,051 0 0 (*b*)+ 311 4 0	418 13 3
Kurnool	Do. do.	1,840 14 9	2,46,406 6 6	2,48,247 5 3	2,36,472 0 0 (*b*)+ 599 0 0	11,176 5 3
Bellary	Do. do.	21,353 13 0	1,24,411 8 6	1,45,765 5 6	1,35,509 0 0	10,256 5 6
Anantapur	Do. do.	23,851 11 0	71,289 8 0	95,141 3 0	85,536 0 0	9,605 3 0
	Total ..	52,422 15 11	8,77,802 8 2	9,30,225 8 1	8,94,216 0 0 + 910 7 6	35,099 0 7
Central Circle.						
Cuddapah	Timber and other forest produce.	9,609 3 6 (*c*)—208 9 0	1,46,311 7 7	1,55,712 2 1	1,43,760 0 0	11,952 2 1
Nellore	Do. do.	23,949 0 8	1,40,994 0 0	1,64,943 0 8	1,50,082 0 0	14,861 0 8
Chingleput	Do. do.	2,230 4 8	43,247 0 0	45,477 4 8	40,803 0 0	4,674 4 8
North Arcot	Do. do.	28,932 6 7 (*d*)—6,929 5 1	1,34,086 7 2	1,56,089 8 5	1,37,079 0 0	19,010 8 5
South Arcot	Do do.	3,256 3 4 (*e*)— 75 0 0	1,37,376 1 0	1,40,557 4 4	1,33,353 0 0	7,204 4 4
Tanjore	Do. do.	1,671 15 0 (*f*) — 105 0 0	25,300 6 9	26,867 5 9	24,651 0 0	2,216 5 9
Trichinopoly	Do. do.	6,837 4 1 (*g*)— 492 14 2	1,17,856 15 9	1,24,201 5 8	1,18,082 0 0	6,119 5 8
North Salem	Do. do.	3,543 12 0	1,14,224 3 1	1,17,767 15 1	1,11,967 0 0	5,800 15
South Salem	Do. do.	20,820 8 3 (*h*)— 1,800 13 9	1,33,553 2 0	1,52,572 12 6	1,41,536 0 0	11,036 12 6
	Total ..	1,00,850 10 1 — 9,611 10 3	9,92,949 11 4	10,84,188 11 2	10,01,313 0 0	82,875 11 2
Southern Circle.						
South Canara	Timber and other forest produce.	5,075 1 4 (*i*) — 4 6 0	80,793 6 2	85,864 1 6	68,542 0 0	17,322 1 6
North Malabar	Do. do.	10,290 2 3	51,265 4 9	61,555 7 0	59,812 0 0	1,743 7 0
South do.	Do. do.	475 8 9	56,836 7 10	57,312 0 7	51,383 0 0	5,929 0 7
The Nilgiris	Do. do.	331 14 4	54,490 1 0	54,821 15 4	53,188 0 0	1,633 15 4
North Coimbatore ..	Do. do.	691 8 3	1,42,094 4 9	1,42,785 13 0	1,39,792 0 0	2,993 13 0
South do. ..	Do. do.	1,146 8 10	1,32,633 13 10	1,33,780 6 8	1,15,624 0 0	18,156 6 8
Madura	Do. do.	2,505 11 3	1,73,279 12 2	1,75,785 7 5	1,72,812 0 0 (*j*)+ 10 0 0	2,963 7 5
Tinnevelly	Do. do.	16,884 5 0	1,05,527 7 6	1,22,411 12 6	1,08,822 0 0	13,589 12 6
	Total ..	37,400 12 0 — 4 6 0	7,96,920 10 0	8,34,317 0 0	(*k*)7,69,975 0 0 + 10 0 0	64,332 0 0
	Grand Total ..	1,90,674 6 0 — 9,616 0 3	26,67,672 13 6	28,48,731 3 3	26,65,504 0 0 + 920 7 6	182,306 11 9

(*a*) Written off under Govt. Order, No. 1133, Rev., dated 13th Nov. 1903.
(*b*) Do. do. No. 860, ,, ,, 19th August 1903.
(*c*) Deduction on account of the following—

	RS. A. P.
Cancellation of lease	153 9 0
Amount already collected in the previous year, but wrongly shown as outstanding at close of the year	25 0 0
Erroneous demand	30 0 0
Total ..	208 9 0

(*d*) Demand reduced owing to the lease period having been cut short.
(*e*) Cancellation of lease.
(*f*) Written off under Govt. Order, No. 1066, Rev., dated 27th Nov. 1902.
(*g*) Deduction on account of the following—

	RS. A. P.
Deduction from demand as the lessee did not cultivate so much of the area as was originally fixed ..	148 6 10
Amount already collected in the previous year, but shown wrongly as outstanding at close of the year..	289 8 8
Remission of tree revenue due to wrong calculation of area	54 14 8
Total ..	492 14 2

(*h*) Coffee lease outstandings which actually fall due after 1903–1904 and wrongly included in the outstanding accounts of 1902–1903.
(*i*) Deduction an account of—

	RS. A. P.
(1) Erroneous demand	2 0 0
(2) Erroneous credit to "Land Revenue" which could not be transferred to "Forests" on account of the transfer books in the Accountant-General's office having been closed	2 6 0
Total ..	4 6 0

(*j*) Written off the accounts under Government Order, No. 860, Revenue, dated 19th August 1903.
(*k*) Exclusive of Rs. 25,067 realized in the Central Circle direction on account of this Circle (*vide* Forms 59 and 62).

Annual Form No. 62.

Forest Department, Madras Presidency.

Financial Results of the year 1903-1904.

Districts.	Timber and other produce removed from the forests by Government Agency.		Other revenue.		Formation, protection and improvement of forests.	Total.	
	Receipts.	Charges.	Receipts.	Charges.	Charges.	Receipts.	Charges.
Northern Circle.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Ganjám	8,123	7,919	43,113	24,830	21,721	51,236	54,470
Vizagapatam	11,028	8,142	37,876	19,097	12,460	48,904	39,699
Gódávari	23,627	10,039	1,63,881	60,719	35,345	1,87,508	1,06,103
Kistna	* 7,683	9,462	1,41,368	29,614	34,868	1,49,051	73,944
Kurnool	97,195	43,565	1,39,277	60,473	37,983	2,36,472	1,42,021
Bellary	30,106	20,201	1,05,403	32,391	27,006	1,35,509	79,598
Anantapur	50	162	85,486	24,148	15,248	85,536	39,558
Total ..	1,77,812	99,490	7,16,404	2,51,272	{ 1,84,631 37,192	* 8,94,216	{ 5,35,393 § 37,192
Central Circle.							
Cuddapah	9,334	9,902	1,34,426	42,611	26,297	1,43,760	78,810
Nellore	27,927	21,161	1,22,155	36,914	30,298	1,50,082	91,373
Chingleput	3,651	1,795	37,152	13,819	11,944	40,803	27,558
North Arcot	15,984	11,460	1,21,095	31,763	35,135	1,37,079	78,358
South do.	718	3,868	1,32,635	29,042	29,960	1,33,353	62,870
North Salem	31,185	20,245	80,782	16,062	16,949	1,11,967	53,256
South do.	38,264	32,961	1,03,272	23,145	25,806	1,41,536	81,912
Trichinopoly	35,273	22,879	82,809	17,826	16,137	1,18,082	56,842
Tanjore	2,916	1,769	21,735	4,336	4,040	24,651	10,145
Total ..	1,65,252	1,29,040	8,36,061	2,15,518	{ 1,96,566 +10,140	† 10,01,313	{ 5,41,124 § +10,140
Southern Circle.							
South Canara	21,461	18,165	47,088	9,271	51,424	68,549	78,860
North Malabar	{ 35,089 + 4,412 }	29,997	24,731	2,132	42,589	{ 59,820 + 4,412 }	74,718
South do.	{ 24,114 + 3,237 }	28,053	27,277	190	34,708	{ 51,391 + 3,237 }	62,951
The Nilgiris	27,609	23,351	25,587	5,547	47,122	53,196	76,020
North Coimbatore ..	{ 50,345 +15,972 }	52,441	{ 89,394 + 60 }	7,638	37,142	{ 1,39,739 + 16,032 }	97,221
South do. ..	{ 55,678 + 2,527 }	59,455	59,954	13,593	45,143	{ 1,15,632 + 2,527 }	1,18,191
Madura	55,772	46,191	1,17,047	7,391	51,844	1,72,819	1,05,426
Tinnevelly	3,137	6,381	1,05,692	7,112	41,532	1,08,829	55,025
Total ..	2,99,353	2,64,034	4,96,830	52,874	{ 3,51,504 + 164	7,96,183 ‡ — 1,141	‖ 6,68,412 + 164
Grand Total ..	6,42,417	4,92,564	20,49,295	5,19,664	{ 7,32,701 + 47,496	26,90,571	17,92,425

* This includes Rs. 38 realized under Direction under I (*e*).

† Total revenue as per Accountant-General's Form No. 59 .. .. Rs. 10,26,380
Deduct revenue relating to Southern Circle 25,067
10,01,313

‡ This amount of Rs. 1,141 shown as deduction is explained by the Conservator as probably representing the revenue from sawn timber belonging to South Coimbatore division sold and credited in Salem and Trichinopoly districts.

§ Approximate survey of India charges.

‖ This amount includes a sum of Rs. 22,537 being the expenditure on account of Survey of India charges. The expenditure apportioned to the circle is however Rs. 22,701 (*vide* Form 59). Hence the addition of Rs. 164.

ANNUAL FORM No. 63.

Forest Department, Madras Presidency.

STATEMENT of Elephants during the year 1903–1904.

PART I.

Elephants in possession of the Reporting Officers throughout the year.

District.	Names.	When purchased or otherwise obtained by Government.	Cost of monthly keep, including servants and food.	
1	2	3	4	
Vizagapatam ..	Ethel	Transferred from the Southern Circle on 3rd December 1897.	Per head ..	Rs. A. P. * 52 8 0
Gódávari ..	Surat Pari	Purchased in November 1894 at Sonepur fair.	Do. ..	* 53 13 4
Kurnool	Byragi Piari	Do. do.	Do. ..	† 43 14 4
South Canara ..	1. Mohideen Khan ..	Transferred from North Malabar on 3rd September 1897.	Do. ..	* 46 14 2
	2. Padmini			
	3. Chamundi	Transferred from North Malabar on 10th September 1900.		
North Malabar ..	1. Phyllis	Purchased in January 1878	Do. ..	45 10 3
	2. Kalyani	Purchased in October 1889	Do. ..	47 5 7
	3. Krishna	Captured in March 1896	Do. ..	50 5 4
	4. Chákravarthini ..	Do. in March 1898	Do. ..	50 11 1
	5. Emily	Do. in June 1899	Do. ..	44 1 1
	6. Sivajee	Do. in February 1900	Do. ..	50 11 0
	7. Nadir Shah	Do. in March 1900	Do. ..	47 10 6
	8. Abdur Rahiman ..	Do. in April 1900	Do. ..	‡ 46 6 11
	9. Meenatchi	Transferred in July 1899 from the Nilgiris.	Do. ..	† 44 8 3
	10. Isabella	Captured in February 1898	Do. ..	48 14 10
	11. Peri	Do. on April 1899	Do. ..	46 13 11
	12. Dost-i-Jehan	Born in February 1902	Do. ..	24 5 3
	13. Jhelam	Captured in June 1902	Do. ..	41 0 11
	14. Bakr Ali	Do. in February 1903	Do. ..	42 11 0
	15. Jumna	Do. in June 1903	Do. ..	52 13 3
South Malabar ..	1. Vixen	Transferred from Wynaad in 1882 ..	Do. ..	* 45 2 6
	2. Peyru			
	3. Samson	Purchased from Mr. Morgan in 1885..		
	4. Eva			
	5. Theebaw	Captured on 3rd January 1886 ..		
	6. Juno	Do. on 17th February 1886 ..		
	7. Jupiter	Do. on 9th January 1887		
	8. Maharajah	Transferred from Wynaad on 29th September 1888.		
	9. Gordon	Captured on 11th February 1889 ..		
	10. Loo	Do. on 21st April 1890		
	11. Hercules	Do. on 24th December 1890 ..		
	12. Tippoo	Do. on 25th February 1893 ..		
	13. Nurmahal	Transferred from North Malabar on 5th November 1898.		
	14. Kunhi Raman ..	Captured on 15th February 1900 ..		
	15. Lydia	Transferred from the Military department during 1902-1903.		
	16. Cheman Pyree ..			
	17. Empress			
The Nilgiris ..	1. Big Lakshmi	Transferred from the Anamalais on the 30th January 1882	Do. ..	* 53 11 1
	2. Chinna Lakshmi ..			
	3. Nilambur Lakshmi ..	Purchased in September 1894		
	4. Bessie (calf)	Born on 3rd July 1899		
	5. Beegum	Transferred from Nilambur on 23rd June 1903.		
	6. Jampyara			
South Coimbatore.	1. Karthiyayini ..	Transferred from South Malabar in August 1898.	Do. ..	47 13 1
	2. Akbar Baksh	Transferred from the Nilgiris on 25th July 1899.		
	3. Zehara			
	4. Parvati	Received back from the Public Works Department on 3rd April 1901.		
	5. Kunjunni			
	6. Lala meah			
	7. Shah Jehan	Transferred from North Malabar on 20th June 1902.		
	8. Seeta			
	9. Bakto			
	10. Nurjehan	Transferred from North Malabar on 26th June 1903.		
	11. Dodamari			

* As per audited figures of the Accountant-General. † As reported by the Collector.

‡ Represents actual wages paid to the establishment from 1st July to 30th June and the actual value of the produce consumed by the elephants between these two dates.

Statement of Elephants during the year 1903–1904—*cont.*

PART II.

Elephants received in the year.

District.	Names.	When purchased or otherwise obtained by Government.	Cost of keep, including servants and food.	Remarks.
1	2	3	4	5
			RS. A. P.	
North Malabar.	1. Timur	Captured in May 1904 ..	.. 32 2 8	....
	2. Haidar	Do. in July 1903 ..	.. 112 12 9	*Vide* part III *infra*.
South Malabar.	1. Mayo	Captured in April 1904 ..	.. 65 0 2	....
	2. Bhagavathi ..	Do. in June 1904 ..	.. ..	....
The Nilgiris.	1. Jessie	Born to Chinna Lakshmi on 20th October 1903.	.. ..	....
South Coimbatore.	1. Ravi	Captured in March 1902 in North Malabar and transferred therefrom in November 1903.	.. 283 2 6	....
	2. Beas	Captured in February 1902 in North Malabar and transferred therefrom in November 1903.	.. 274 14 4	....
	3. Sutlej	Captured in February 1902 in North Malabar and transferred therefrom in November 1903.	.. 294 2 1	....
	4. Sirdar	Captured on 17th July 1903.	.. 468 15 0	
	5. Rani	Do. on 18th Aug. ,,	.. 370 0 4	....
	6. Kitti	Do. on 30th Sept. ,,	.. 247 12 3	....

PART III.

Elephants gone off the list during the year.

District.	Names.	When purchased or otherwise obtained by Government.	Cost of keep, including servants and food.	How disposed of.
1	2	3	4	5
			RS. A. P.	
Kurnool ..	Captain Gunning ..	Purchased in July 1888 ..	.. 652 1 8	Sold for Rs. 1,000 in May 1904.
North Malabar.	1. Sutlej	Captured in February 1902.	.. 203 9 10	Transferred to Anamalais in November 1903.
	2. Beas	Do. do.	.. 204 11 11	
	3. Ravi	Do. in March 1902 ..	.. 208 13 6	
	4. Habib-ul-lah ..	Do. in April 1903 ..	.. 110 8 1	Sold on 21st October 1903.
	5. Hubbard ..	Do. in May 1903 ..	.. 880 12 8	Sold on June 1904.
	6. Ganga	Do. in June 1903 ..	.. 79 7 8	Died.
	7. Sikandur ..	Do. do. ..	.. 149 9 8	Sold in auction on 21st October 1903.
	8. Indus	Do. do. ..	.. 118 6 7	
	9. Kaveri	Do. do. ..	.. 119 8 8	
	10. Kabini ..	Do. do. ..	.. 116 6 9	
	11. Bhavani ..	Do. do. ..	.. 106 8 5	
	12. Haidar ..	Do. in July 1903 ..	.. 112 12 9	
South Malabar.	1. Flora	Captured on 11th March 1902.	.. 114 3 10	Sold in auction on 21st October 1903.
	2. Nelli	Do. on 19th March 1902.	.. 66 9 11	
	3. Alexandra ..	Do. on 12th Jan. 1903.	.. 11 1 3	Sold on 6th July 1903.
	4. Govindan ..	Do. on 7th March 1903.	.. 11 1 3	
South Coimbatore.	1. Zelica	Transferred from North Malabar on 20th June 1902.	.. 204 8 8	Died on 13th November 1903.
	2. Chumbee ..	Transferred from North Malabar on 26th June 1903.	.. 285 4 0	Died on 5th January 1904.
	3. Lakshmi ..		.. 353 2 1	Died on 21st February 1904.

FORM No. 64.

ABSTRACT showing the Value of Live stock, Stores, Tools and Plant for 1903–1904.

ANNUAL FORM

Forest Department,

ABSTRACT showing the Value of Live-stock,

Districts.	Surveying, etc., instruments				Tools			
	On hand at the commencement of the year.		On hand at the close of the year.		On hand at the commencement of the year.		On hand at the close of the year.	
	Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.
1	2	3	4	5	6	7	8	9
Northern Circle.		Rs.		Rs.		Rs.		Rs.
Direction	45	650	45	580	11	6	11	3
Ganjám	57	562	73	735	485	357	480	504
Vizagapatam	35	789	38	800	231	462	249	87
Gódávari	125	904	133	841	1,238	2,185	1,130	2,048
Kistna	77	1,040	86	1,783	320	261	366	602
Kurnool	166	778	166	778	905	887	1,319	2,134
Bellary	164	320	172	403	*474	*434	393	717
Anantapur	56	232	53	240	211	217	258	316
Total, Northern Circle ..	725	5,275	766	6,560	3,875	4,809	4,206	6,411
Central Circle.								
Direction	51	865	51	842	6	10	6	9
Cuddapah	104	845	115	803	447	683	444	649
Nellore	154	1,269	103	1,140	724	958	5,675	1,033
Chingleput	46	500	46	475	515	609	545	592
North Arcot	187	1,389	184	1,216	1,840 cwt. 32·94	2,456	1,970 cwt. 32·94	2,418
South do.	103	1,110	91	871	174	25	142	25
North Salem	78	560	80	604	645	485	661	562
South do.	99	940	109	1,254	1,749	1,400	884	903
Trichinopoly	47	204	48	197	183	174	235	204
Tanjore	25	65	23	92	57	21	49	26
Total, Central Circle ..	894	7,697	850	7,494	6,340 cwt. 32·94	6,821	10,611 cwt. 32·94	6,421
Southern Circle.								
Direction	56	818	55	805	14	51	15	54
South Canara	214	803	214	723	418	457	433	435
North Malabar	38	952	38	885	513	733	551	895
South do.	35	496	49	480	593	336	544	338
The Nilgiris	110	976	110	970	692	975	744	994
North Coimbatore	75	733	71	780	906	1,086	773	1,184
South do.	77	697	72	594	1,966	2,660	1,990	2,868
Madura	111	1,704	111	1,704	249	200	497	590
Tinnevelly	117	438	123	664	441	139	466	437
Total, Southern Circle ..	833	7,617	843	7,605	5,792	6,637	6,013	7,795
Grand Total, Presidency ..	2,452	20,589	2,459	21,659	16,007 cwt. 32·94	18,267	20,830 cwt. 32·94	20,627

* Forty-five bullock carts were wrongly included under live-stock in the return for the previous year.

Note.—The difference in the number and value in the opening balance is due to revised figures reported by the Collectors.

No. 64.

Madras Presidency.

Stores, Tools and Plant for 1903–1904.

Machinery				Furniture.				Building materials, small stores, tents, boats, etc.			
On hand at the commencement of the year.		On hand at the close of the year.		On hand at the commencement of the year.		On hand at the close of the year.		On hand at the commencement of the year.		On hand at the close of the year.	
Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.
10	11	12	13	14	15	16	17	18	19	20	21
	Rs.		Rs.		Rs.		Rs.		Rs.		Rs.
..	..	..	..	118	700	119	678	16	900	16	770
..	..	..	..	239	1,857	260	1,876	..	..	..	..
..	..	..	..	178	1,110	185	1,140	120	1,019	124	1,170
..	..	1	..	618	2,802	637	2,754	34	5,958	37	6,288
..	..	..	..	175	579	189	584	9	3,563	9	3,444
..	..	..	..	157	568	164	718	55	3,301	56	2,913
..	..	1	350	111	423	113	527	12	1,340	17	1,575
..	..	..	..	238	767	340	1,333	10	1,155	6	555
..	..	2	350	1,834	8,806	2,007	9,610	256	17,236	265	16,715
..	..	..	..	139	534	139	480	8	522	8	472
1	31	1	29	216	911	232	934	29	1,888	27	1,629
..	† 17,719	..	21,686	194	1,375	190	1,288	10	1,081	10	1,046
..	..	..	..	206	1,005	205	946	8	648	8	467
26	504	32	404	924	3,035	969	2,631	19	2,184	19	1,835
5	158	5	158	198	1,073	200	1,076	17	1,946	18	2,239
..	..	..	..	125	547	131	641	13	1,100	14	860
5	285	5	249	433	1,550	347	1,192	26	1,100	17	876
..	..	..	..	175	715	182	710	12	1,420	12	1,278
..	..	..	..	55	296	59	287	..	..	..	..
37	18,697	43	22,526	2,665	11,041	2,654	10,185	142	11,889	133	10,702
..	..	..	..	210	1,483	222	1,424	6	629	6	597
..	..	..	..	201	1,437	201	1,292	14	1,631	14	1,468
..	..	..	..	136	579	170	550	4	580	4	550
‡ ..	..	1	3	186	1,021	189	983	7	609	11	613
1	120	1	120	177	980	186	1,004	8	790	7	750
..	..	..	..	297	857	324	1,002	96	1,038	97	877
341	1,426	662 7,950 ft.	10,139	341	1,428	426	1,979	13	1,155	13	1,067
5	6	5	6	381	2,105	372	2,000	480	1,473	480	1,473
..	..	..	..	252	488	285	1,069	9	506	9	475
347	1,552	669 7,950 ft.	10,268	2,181	10,378	2,375	11,303	637	8,411	641	7,870
384	20,249	714 7,950 ft.	33,144	6,680	30,225	7,036	31,998	1,035	37,536	1,039	35,287

† Tramways.

‡ Transferred to other proper heads during the year.

Abstract showing the value of Live-stock

Districts.	Buildings				Live-stock			
	On hand at the commencement of the year.		On hand at the close of the year.		On hand at the commencement of the year.		On hand at the close of the year.	
	Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.
	22	23	24	25	26	27	28	29
Northern Circle.		RS.		RS.		RS.		RS.
Direction	..	..	..	..	..	..	2	15
Ganjám	48	17,105	53	18,636	..	..	..	..
Vizagapatam	56	7,370	59	7,565	1	..	1	..
Gódávari	105	33,846	105	33,196	1	900	1	900
Kistna	61	11,498	61	11,912	..	..	..	..
Kurnool	54	34,762	55	36,762	* 52	* 4,905	51	3,903
Bellary	26	3,982	27	4,525	44	1,698	47	1,831
Anantapur	12	13,310	12	13,385	..	..	..	..
Total, Northern Circle ..	362	1,21,873	372	1,25,981	98	7,503	102	6,649
Central Circle.								
Direction	..	..	..	..	..	..	..	..
Cuddapah	122	19,439	123	19,311	2	56	2	56
Nellore	9	6,714	11	8,343	..	..	..	..
Chingleput	25	6,357	27	6,118	..	..	..	..
North Arcot	137	16,930	92	22,120	..	..	..	..
South do.	18	16,310	20	16,880	..	..	..	..
North Salem	15	7,500	14	7,000	..	..	..	..
South do.	19	8,900	21	10,273	..	..	..	..
Trichinopoly	8	3,314	8	3,159	..	..	..	..
Tanjore	7	360	4	356	..	..	..	..
Total, Central Circle ..	360	85,824	320	93,565	2	56	2	56
Southern Circle.								
Direction	..	..	..	..	..	..	..	..
South Canara	22	11,204	22	12,082	3	5,000	3	5,000
North Malabar	..	..	..	..	28	43,540	16	30,500
South do.	30	35,171	30	40,513	19	28,812	20	29,508
The Nilgiris	73	8,155	75	9,243	6	6,500	7	6,700
North Coimbatore	75	29,485	73	33,818	..	..	..	..
South do.	82	35,592	85	38,771	31	2,500	90	† 2,500
Madura	46	26,665	46	30,576	..	..	..	..
Tinnevelly	63	26,605	67	28,305	..	..	..	..
Total, Southern Circle ..	391	1,72,877	398	1,93,308	87	86,352	136	74,208
Grand Total, Presidency ..	1,113	3,80,574	1,090	4,12,854	187	93,911	240	80,913

* *Vide* remarks against column 18.

† This represents the value of only one elephant. The value of 16 other elephants and 73 bulls has not been reported on by the Collector.

Stores, Tools and Plant for 1903-1904—*cont.*

Miscellaneous.				Total.					
On hand at the commencement of the year.		On hand at the close of the year.		On hand at the commencement of the year.		On hand at the close of the year.		Difference in value.	
Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.	In favour of the year.	Against the year.
30	31	32	33	34	35	36	37	38	39
	Rs.		Rs.		Rs.		Rs.	Rs.	Rs.
4	96	5	93	194	2,352	198	2,139	..	213
..	..	..	..	829	19,881	866	21,751	1,870	..
235	474	303	648	856	11,224	959	11,410	186	..
609	603	610	584	2,730	47,198	2,654	46,611	..	587
..	..	..	..	642	16,941	711	18,325	1,384	..
351	768	343	766	1,740	45,969	2,154	47,974	2,005	..
57	193	60	152	888	8,390	830	10,080	1,690	..
3	..	5	..	530	15,681	674	15,829	148	..
1,259	2,134	1,326	2,243	8,409	1,67,636	9,046	1,74,119	6,483	..
94	446	94	399	298	2,377	298	2,202	..	175
234	241	296	379	1,155	24,094	1,240	23,790	..	304
456	6,108	383	5,915	1,547	35,224	6,372	40,451	5,227	..
..	..	..	..	800	9,119	831	8,598	..	521
..	..	..	..	3,133 cwt. 32·94	26,448	3,266 cwt. 32·94	30,624	4,176	..
1,254	820	1,262	832	1,769	21,442	1,738	22,081	639	..
356	393	389	477	1,232	10,585	1,289	10,144	..	441
† ..	..	..	..	2,331	14,175	1,383	14,752	577	..
2,130	602	2,188	841	2,555	6,429	2,673	6,389	..	40
47	346	92	349	191	1,088	227	1,110	22	..
4,571	8,956	4,704	9.192	15,011 cwt. 32·94	1,50,981	19,317 cwt. 32·94	1,60,141	9,160	..
546	570	531	533	832	3,551	829	3,413	..	138
560	1,105	558	968	1,432	21,637	1,445	21,968	331	..
..	..	..	..	719	46,384	779	33,380	..	13,004
291	1,443	409	1,235	1,161	67,888	1,253	73,673	5,785	..
94	86	94	66	1,161	18,582	1,224	19,847	1,265	..
175	379	178	358	1,624	33,578	1,516	38,006	4,428	..
174	957	189	930	3 025	46,415	3,527 ft. 7,950	58,848	12,433	..
789	312	792	320	2,061	32,465	2,303	36,669	4,204	..
307	30	307	224	1,189	28,206	1,257	31,174	2,968	..
2,936	4,882	3,058	4,634	13,204	2,98,706	14,133 ft. 7,950	3,16,978	18,272	..
8,766	15,972	9,088	16,069	36,624 cwt. 32·94	6,17,323	42,496 cwt. 32·94 ft. 7,950	6,51,238	33,915	..

† *Vide* column 18.

ANNUAL FORM No. 65.

Tramway Statement.

STATEMENT showing the results of transport of wood by tramway.

I.—*Nellore District.*

(i) Sríharikóta Range.

Capital Account.

—	1902–1903.	1903–1904.	—	1902–1903.	1903–1904.
Dr.	RS.	RS.	*Cr.*	RS.	RS.
To balance from the previous year.	14,830	15,716	By depreciation at 6 per cent.	1,003	1,026
Add new stock	1,889	1,389	„ balance of stock	15,716	16,079
Total ..	16,719	17,105	Total ..	16,719	17,105

Revenue Account.

—	1902–1903.	1903–1904.	—	1902–1903.	1903–1904.
Dr.	RS.	RS.	*Cr.*	RS.	RS.
To working expenses	945	1,436	By balance written off ..	3,249	4,170
„ road-making and repairs ..	591	528			
„ interest at 4 per cent. ..	669	684			
„ depreciation at 6 per cent. ..	1,003	1,026			
„ repairs to wagons	41	496			
Total ..	3,249	4,170	Total ..	3,249	4,170

—	1902–1903.					1903–1904.				
	Number of tons of wood carried.	Number of miles carried.	Total ton-miles.	Actual charge for carrying.	Rate per ton-mile.	Number of tons of wood carried.	Number of miles carried.	Total ton-miles.	Actual charge for carrying.	Rate per ton-mile.
				RS.	RS. A. P.				RS.	RS. A. P.
Work done	8,584	2½	21,460	3,249	0 2 5	7,344	4	29,376	4,170	0 2 3

—	1902–1903.			1903–1904.		
	Number of ton-miles.	Amount.	Rate per ton-mile.	Number of ton-miles.	Amount.	Rate per ton-mile.
		RS.	RS. A. P.		RS.	RS. A. P.
Actual charge of carrying	21,460	3,249	0 2 5	29,376	4,170	0 2 3
Estimated charges by coolies.. ..		28,166	1 5 0		38,556	1 5 0

ABSTRACT.

Year.	Profit.	Loss.
	RS.	RS.
1889–90	..	1,444
1890–91	8,487	..
1891–92	3,742	..
1892–93	13,807	..
1893–94	13,063	..
1894–95	15,153	..
1895–96	9,100	..
1896–97	23,921	..
1897–98	25,450	..
1898–99	30,398	..
1899–1900	23,176	..
1900–1901	8,713	..
1901–1902	27,918	..
1902–1903	24,917	..
1903–1904	34,386	..
Total ..	2,62,231	
Deduct loss ..	1,444	
Net profit ..	2,60,787	

Statement showing the results of transport of wood by tramway—*cont.*

I.—*Nellore District*—cont.

(ii) Casuarina Plantation Range.

Capital Account.

—	1902-1903.	1903-1904.	—	1902-1903.	1903-1904.
Dr.	Rs.	Rs.	*Cr.*	Rs.	Rs.
To balance from the previous year ..	14,558	14,197	By depreciation at 6 per cent. ..	906	935
Add new stock	545	1,389	,, balance of stock	14,197	14,651
Total ..	15,103	15,586	Total ..	15,103	15,586

Revenue Account.

—	1902-1903.	1903-1904.	—	1902-1903.	1903-1904.
Dr.	Rs.	Rs.	*Cr.*	Rs.	Rs.
To working expenses	2,785	* 2,231	By balance written off	4,877	4,688
,, road-making and repairs	500	403			
,, interest at 4 per cent.	604	628			
,, depreciation at 6 per cent. ..	906	935			
,, repairs to wagons	82	496			
Total ..	4,877	4,688	Total ..	4,877	4,688

* Borne entirely by the contractor.

—	1902-1903.					1903-1904.				
	Number of tons of wood carried.	Number of miles carried.	Total ton-miles.	Actual charge for carrying.	Rate per ton-mile.	Number of tons of wood carried.	Number of miles carried.	Total ton-miles.	Actual charge for carrying.	Rate per ton-mile.
				Rs.	Rs. A. P.				Rs.	Rs. A. P.
Work done	7,879⅛	8½	22,285⅛	4,877	0 3 6	2,511 27/40 4,836 29/40 3,010 1/40 1,327 9/40	1 2 1 2	2,511 27/40 9,673 29/40 3,010 1/40 2,654 1/4	4,688	0 4 2
						11,685 ¾	6	17,849 23/40		

—	1902-1903.			1903-1904.		
	Number of ton-miles.	Amount.	Rate per ton-mile.	Number of ton-miles.	Amount.	Rate per ton-mile.
		Rs.	Rs. A. P.		Rs.	Rs. A. P.
Actual charge for carrying	22,285⅛	4,877	0 3 6	17,849 23/40	4,688	0 4 2
Estimate charge by coolies		29,249	1 5 0		23,428	1 5 0

Abstract.

Year.	Profit.	Loss.
	Rs.	Rs.
1885-86	1,735	..
1886-87	5,030	..
1887-88	..	536
1888-89	6,272	..
1889-90	545	..
1890-91	7,323	..
1891-92	4,646	..
1892-93	5,290	..
1893-94	5,351	..
1894-95	5,261	..
1895-96	4,826	..
1896-97	3,981	..
1897-98	7,000	..
1898-99	3,224	..
1899-1900	13,275	..
1900-1901	22,553	..
1901-1902	14,525	..
1902-1903	24,372	..
1903-1904	18,740	..
Total ..	1,53,949	
Deduct loss ..	536	
Net profit ..	1,53,413	

Statement showing the results of transport of wood by tramway—*cont.*

II.—*South Coimbatore District.*

Capital Account.

—	1902–1903.	1903–1904.	—	1902–1903.	1903–1904.
Dr.	Rs.	Rs.	*Cr.*	Rs.	Rs.
To balance from the previous year ..	35,109	33,203	By depreciation at 6 per cent. ..	2,119	2,069
,, repairs to tram-trucks	113	1,282	,, balance of stock	33,203	32,416
,, extension of tram-line to the head of the wire ropeway	100	..			
Total ..	35,322	34,485	Total ..	35,322	34,485

Revenue Account.

—	1902–1903.	1903–1904.	—	1902–1903.	1903–1904.
Dr.	Rs.	Rs.	*Cr.*	Rs.	Rs.
To working expenses ..	1,952	2,175	By balance written off	6,643	8,912
,, depreciation at 6 per cent. ..	2,119	2,069			
,, interest at 4 per cent.	1,413	1,379			
,, repairs to tram-road	339	397			
,, cost of feed and keep of bullocks employed in tramming ..	820	2,892			
Total ..	6,643	8,912	Total ..	6,643	8,912

—	1902–1903.					1903–1904.				
	Number of tons of wood carried.	Number of miles carried.	Total ton-miles.	Actual charge for carrying.	Rate per ton-mile.	Number of tons of wood carried.	Number of miles carried.	Total ton-miles.	Actual charge for carrying.	Rate per ton-mile.
				Rs.	Rs. A. P.				Rs.	Rs. A. P.
Work done.	44 37/40 tons (1,797 c. ft.).	4	180	6,643	2 4 8	258 1/2 tons (10,332 c. ft.).	4	1,033	8,912	1 4
	44 33/40 tons (1,793 c. ft.).	5½	247			676 25/40 tons (27,065 c. ft.).	5½	3,721		
	393 29/40 tons (15,759 c. ft.).	3	1,182			114 tons (4,560 c. ft.).	3¾	428		
	178 19/40 tons (7,139 c. ft.).	3	535			119 9/40 tons (4,798 c. ft.).	5¼	630		
	251 13/40 tons (10,052 c. ft.).	3	754			97 19/40 tons (3,899 c. ft.).	4	390		
						235 7/40 tons (9,404 c. ft.).	3	705		
Total ..	913		2,898			1,501 13/40		6,907		

—	1902–1903.			1903–1904.		
	Number of ton-miles.	Amount.	Rate per ton-mile.	Number of ton-miles.	Amount.	Rate per ton-mile.
		Rs.	Rs. A. P.		Rs.	Rs. A. P.
Actual charge for carrying	2,898	6,643	2 4 8	6,907	8,912	1 4 8
Estimated cost of carting	2,898	3,019	1 0 8	6,907	7,195	1 0 8
Actual cost of maintaining cart-road before the construction of tramway (now saved)	..	1,200	..	..	1,200	..
Cost of extension of road beyond Sangam (now saved)..	..	310	..	..	310	..
Total estimated cost of carting ..	..	4,529	..	..	8,705	..
Loss ..	..	2,114	..	..	207	..
Add up to 1902–1903 ..	..	..	..	..	31,764	..
Total loss ..	..	..	..	..	31,971	..

ANNUAL FORM NO. 72-A (OLD CODE).

Forest Department, Madras Presidency.

MONEY value of sales of timber, fuel and bamboos cut, collected and removed by Consumers or Purchasers during 1903–1904.

District.	Timber.	Firewood and charcoal.	Bamboos.	MONEY VALUE OF SALES.					
				Timber.		Firewood and charcoal.		Bamboos.	
				Amount of sales.	Amount actually realized during the year.	Amount of sales.	Amount actually realized during the year.	Amount of sales.	Amount actually realized during the year.
1	2	3	4	5	6	7	8	9	10
Northern Circle.	C. FEET.	C. FEET.	NO.	RS.	RS.	RS.	RS.	RS.	RS.
Ganjám	289,726	454,873	1,448,620	13,325	13,325	6,457	6,457	5,725	5,725
Vizagapatam	61,327	156,893	1,215,450	4,626	(*a*) 4,618	4,557	4,557	9,574	9,574
Gódávari	333,631	818,250	7,702,160	36,085	36,085	18,615	18,615	38,260	38,260
Kistna	183,515	400,837	408,520	13,191	13,191	13,060	12,440	3,266	3,266
Kurnool	203,335	452,406	5,062,142	21,242	21,242	17,073	(*b*) 17,038	22,431	(*b*) 22,417
Bellary	* 108,446	* 267,489	90,000	7,015	(*c*) 6,954	5,016	(*c*) 4,921	1,795	(*c*) 1,693
Anantapur	30,500	147,684	22,240	5,447	5,447	2,729	2,729	376	376
Total ..	1,210,480	2,698,432	15,949,132	1,00,931	1,00,862	67,507	66,757	81,427	81,311
Central Circle.									
Cuddapah	188,355	542,081	1,622,240	15,383	(*d*) 13,721	10,072	(*d*) 9,811	5,726	5,726
Nellore	46,433	561,708	10,350	5,322	5,309	57,387	(*e*) 33,568	25	25
Chingleput	47,587	169,272	3,031	3,589	3,589	10,450	8,542	56	56
North Arcot	33,602	621,144	4,270,054	4,579	5,340	12,298	17,018	26,756	28,447
South do.	40,842	693,905	247,098	5,106	5,106	43,210	(*f*) 40,258	100	100
North Salem	90,952	460,756	2,871,080	5,851	† 5,903	10,958	9,904	9,014	8,493
South do.	181,774	210,555	5,362,275	11,938	11,938	6,892	6,892	26,388	24,472
Trichinopoly	45,404	1,289,347	135,964	3,524	3,524	32,267	31,993	1,415	1,415
Tanjore	15,446	543,150	2,353	1,915	965	12,411	10,382	262	262
Total ..	690,394	5,091,918	14,524,445	56,308	55,395	1,95,945	1,68,368	69,742	68,996
Southern Circle.									
South Canara	116,286	339,823	75,180	3,869	3,883	11,338	11,229	1,128	1,128
North Malabar	71,617	2,800	19,761	3,385	3,382	44	171	379	377
South do.	191,989	69,456	81,820	18,460	14,553	5	6	1,716	1,716
The Nilgiris	26,624	52,166	145,347	5,629	5,629	3,118	(*g*) 3,100	1,269	1,269
North Coimbatore ..	24,693	263,056	2,749,220	2,399	(*h*) 2,259	10,835	10,869	6,743	(*h*) 6,562
South do.	31,068	457,847	2,485,070	15,883	15,209	12,185	12,185	11,487	10,030
Madura	70,746	786,897	151,863	6,328	(*i*) 6,284	42,563	42,059	4,799	4,799
Tinnevelly	42,959	1,163,224	4,860	50	1,553	63,986	63,489	933	650
Total ..	575,982	3,135,269	5,716,121	56,003	52,752	1,44,074	1,43,108	28,454	26,531
Grand Total ..	2,476,856	10,925,619	36,189,698	2,13,242	2,09,009	4,07,526	3,78,233	1,79,623	1,76,838

* Includes confiscated produce.

† An amount of Rs. 50 transferred to II (*e*) in Accountant-General's No. A.C.X—245, dated 25th February 1904, has been omitted to be taken into account by the Accountant-General in furnishing these figures.

Note.—The figures in columns 6. 8 and 10 are the audited figures of the Accountant-General as per Form 59.

(*a*) The Collector's figure is Rs. 4,626 and the Collector has reported that the cause of the variation between his figure and that of the Accountant-General cannot be traced in the District Forest-office.

(*b*) The Collector's figures are Rs. 17,073 and Rs. 22,431, respectively, and the variations are explained to be due to certain alterations proposed by the District Forest-officer during September and November 1903 not having been carried out by the Accountant-General.

(*c*) The Collector's figures are Rs. 7,015, Rs. 5,016 and Rs. 1,795, respectively. The variation has not been explained by the Collector.

(*d*) The Collector's figures are Rs. 13,725 and Rs. 9,593 respectively. The variation has not been explained by the Collector.

(*e*) The Collector's figure is Rs. 43,420. The variation is explained to be due to the Accountant-General not having taken into account a sum of Rs. 9,852 being remittances made into the Bank of Madras in the month of June 1904.

(*f*) The Collector's figure is Rs. 40,103 and the Collector is unable to make out how the Accountant-General arrived at the figure Rs. 40,258.

(*g*) The Collector's figure is Rs. 3,118 and the variation is reported to be due to the alterations approved by the Accountant-General in his O.M. A.M.-6/5.-F., not having been carried out in the latter's office.

(*h*) The Collector's figures are Rs. 2,399 and Rs. 6,743, respectively, but the variation has not been explained.

(*i*) The Collector's figure is Rs. 6,328, but the variation has not been explained.

ANNUAL FORM No. 72-B (OLD CODE).

Forest Department, Madras Presidency.

TIMBER and other Produce Confiscated and Sold during the year 1903–1904.

District.	TIMBER.		FIREWOOD.		BAMBOOS.		Minor produce in value.	Total amount of sales.	Amount actually realized.
	Quantity in cubic feet	Amount of sales.	Quantity in cubic feet.	Amount of sales.	Number.	Amount of sales.			
Northern Circle.		RS		RS.		RS.	RS.	RS.	RS.
Ganjâm	3,132	624	559	17	2,037	6	2	649	661
Vizagapatam ..	43	11	143	8	1,485	9	..	28	28
Gódávari	* 3,168	3,700	321	2	..	..	..	3,702	4,155
	6,176	393	560	40	1,536	8	12	453	
Kistna	394	26	..	..	..	..	1	27	27
Kurnool	2,372	679	1,150	68	41,827	216	156	1,119	1,119
Bellary	12	3	1,444	23	..	..	61	87	88
Anantapur	..	..	..	..	..	..	..	..	..
Total ..	15,297	5,436	4,177	158	46,885	239	272	6,105	6,118
Central Circle.									
Cuddapah	914	278	781	30	1,140	2	9	319	377
Nellore	5,140	505	1,688	64	6	..	66	635	635
Chingleput ..	107	38	384	24	..	..	7	69	69
North Arcot ..	530	96	1,096	62	1,124	7	139	304	304
South do. ..	688	82	1,376	46	1,000	9	108	245	247
North Salem	696	166	2,283	13	1,640	8	4	191	191
South do.	506	136	1,673	113	4,175	20	113	390	390
	† 8		‡ 47	8					
Trichinopoly ..	850	100	298	14	71	13	94	221	221
	† 2								
Tanjore	74	4	65	2	..	..	2	8	8
Total ..	9,515	1,405	9,691	376	9,156	59	542	2,382	2,442
Southern Circle.									
South Canara ..	6,149	829	8,119	314	41	2	563	1,708	1,710
North Malabar ..	1,924	246	..	..	..	..	..	246	211
South do. ..	3,321	1,791	..	..	..	..	..	1,791	1,791
The Nilgiris ..	40	1	45	2	240	10	7	20	20
North Coimbatore ..	813	229	296	17	1,166	19	3	268	226
South do. ..	1,573	414	664	51	1,901	39	1	505	505
Madura	529	191	2,438	218	6	1	155	565	565
Tinnevelly	678	594	25,766	1,140	..	..	29	1,763	1,763
Total ..	15,030	4,295	37,328	1,742	3,354	71	758	6,866	6,791
Grand Total ..	39,842	11,136	51,196	2,276	59,395	369	1,572	15,353	15,531

Add outstanding at close of 1902–1903 ..	513
Total ..	15,866
Deduct amount realized as per Form No. 59 ..	15,531
Balance outstanding on 30th June 1904 ..	335

* Driftwood and fuel. † Sandalwood. ‡ Charcoal.

GOVERNMENT OF MADRAS.

REVENUE DEPARTMENT.

READ—the following Proceedings of the Board of Revenue (Land Revenue), Forest No. 228, dated 14th November 1904:—

The Hon'ble Mr. C. J. WEIR, I.C.S.,
Commissioner of Land Revenue.

Resolution—Forest No. 228, dated 14th November 1904.

The Board submits to Government the progress report of Forest Administration in the Madras Presidency for the year ending with 30th June 1904.

2. In accordance with the last clause of section 258 of the Forest Code the report has been drawn up by Mr. E. D. M. Hooper, the Senior Conservator of Forests.

3. The work and services of the superior officers are, with very few exceptions, spoken well of both by Collectors and Conservators. The member of the Board at present in charge of Forests did not take over those duties until the end of the year now under review. He has, however, much pleasure in reporting that the officers commended for their work in 1902–1903, have continued to merit praise during the period he has held charge, and that the Conservators have discharged their duties with zeal and ability.

(True Extract.)

(Signed) N. MACMICHAEL,
Acting Secretary.

To the Secretary to Government, Revenue Department,
with three copies of the report.

ORDER—No. 29, Revenue, dated 12th January 1905.

Forest No. 3.

The report on the Administration of the Forest Department during 1903–1904 has been drawn up on the lines presented by the Government of India in Mr. Wilson's letter No. 10 F., dated 5th August 1904. The Government would however draw the particular attention of the Board to the instructions contained in paragraphs 2, 3 and 4 of the memorandum attached to that letter, and would again request that a greater endeavour be made to avoid the detailed recitation of ordinary trivial incidents of administration. In chapter II, for example, there are very many instances of the record of petty details of the working of particular forests, which are neither of special interest, nor of sufficient importance to deserve mention in the annual report.

2. The chief features of the year's work will be briefly reviewed.

CONSTITUTION OF STATE FORESTS.

3. *Extension of area and settlement.*—The net addition during the year to the reserved area was 104 square miles. Of the total extent of 19,559 square miles under control at the end of the year, 17,923 square miles had been finally constituted reserved forest, while 167 square miles were leased forest not requiring settlement.

There remained for final settlement 1,119 square miles of land notified under section 4 of the Forest Act, and 350 square miles of land reserved under section 26 of the Act, to which may be added about 264 square miles, which it is proposed to bring under the control of the department, though no formal steps have yet been taken towards their reservation. The area actually settled during the year was 317 square miles, but in addition to this the settlement of 265 miles is reported to have been practically completed. The work done compares somewhat unfavourably with that of the previous year, which was in itself not satisfactory. It seems clear that with the present rate of progress the work of settlement will be far from complete by the end of March 1905, the date on which the employment of the special establishment should cease. The Board will be requested separately to report on the advisability of extending the term of the appointments of the Forest Settlement-officers.

4. *Demarcation.*—A thousand miles of boundary were demarcated during the year at a cost of about Rs. 15 per mile. The total length demarcated remains at 95 per cent. of the mileage requiring artificial definition.

5. *Survey.*—Two parties of the Survey Department of the Government of India continued to work in the Presidency throughout the year. Both their outturn and the cost of the work done compare unfavourably with the results of the previous year, the reason given being the difficulty of obtaining labour and the generally adverse conditions of the country in which operations were carried on. The survey of the Mysore-South Canara boundary is now in progress.

Various minor survey operations were carried out departmentally. At the end of the year maps had been prepared for 66 per cent. of the reserved forests, and the extent still remaining to be taken up for survey was 1,289 square miles or 7 per cent. of the total area.

Management of State Forests.

6. *Working-plans.*—There was again a slight decrease in the area newly brought under the control of sanctioned working-plans. In the Southern Circle where no officer was available for special deputation for the work, progress was very small, in the other two circles it was on the whole satisfactory. By the end of the year rather more than a quarter of the total forest area was being worked under sanctioned plans, and plans were in preparation or awaiting sanction for another fifth. More than half the area, therefore, still remains to be dealt with, the Northern and Southern Circles being about equally behind-hand in this respect. It is hoped that when effect has been given to the arrangements sanctioned in G.O., No. 443, dated 29th April 1904, by which an Extra Assistant Conservator is to be deputed to special duty in each circle in addition to an Imperial officer, better progress will be possible in this important branch of work, but the department is no doubt hampered by dearth of officers.

7. *Communications and buildings.*—The expenditure on communications and buildings (Rs. 99,067) differed little from that of the previous year, and continued to be adequate. The timber tramway in South Coimbatore was again run at a loss, but the deficit this year was insignificant. The wire ropeway at Mount Stuart was also worked at a loss. It is observed that, as in the preceding year, the programmes of construction of roads and buildings in North Arcot and South Salem were not fully carried out.

8. *Protection of Forests—General.*—The total number of offences reported fell from 23,125 to 21,883, the decrease occurring mainly in the offences against the grazing rules. Undetected cases amounted to 7 per cent. of the total. Of the rest, 87 per cent. were disposed of during the year, 6·5 per cent. being withdrawn, 2·5 per cent. ending in acquittal, 25 per cent. in conviction and 53 per cent. being compounded. The figures show that, while offences were less than in the previous year, a larger proportion of the total was successfully prosecuted before the magistracy, and to this extent the results may be considered satisfactory. On the other hand it is to be regretted that the percentage of undetected crime increased, especially in cases of injury to forests by fire. The reasons given by the District officers for variations in the statistics of crime are as usual neither convincing nor consistent. An increase in the number of cases reported is considered a sign of corruption when, as in Anantapur, accompanied by a fall in the grazing revenue, but of energy in Coimbatore and elsewhere. This diversity of opinion is in itself sufficient proof of the danger of judging

the efficiency of a district establishment by its activity in prosecution. The question has been dealt with at length in G.O., No. 1346, dated 8th December 1904. It will suffice here to repeat the opinion of the Government that the criterion should be the success achieved in protecting the forest, and that the policy of the local officers should be to aim at the more effective prevention of crime by improving the *morale* of the subordinate staff and providing for stricter supervision.

9. *Protection from fire.*—The protected area increased from 5,545 square miles to 5,641 square miles, but the proportion of failure rose slightly from 9·27 per cent. to 9·5 per cent. In specially-protected areas the proportion of failure remained the same as last year, 8·5 per cent. Kurnool and Cuddapah again suffered most heavily so far as protected areas were concerned. In the forests as a whole, there was a very large increase in the area reported to have been burnt, the total rising to 500,000 acres. The Government recognise the immense difficulties that confront the department, and agree that much progress can hardly be expected in this important branch of protection, until the sympathy and co-operation of the people using the forests have been enlisted. They would be glad to have a special report on the measures which it has been proposed to adopt in Cuddapah and Kurnool. The policy of enhancing grazing fees, as a punishment for damage caused by graziers, which was approved in G.O., No. 1092, dated 2nd November 1903, seems to have met with success in some districts and might be resorted to more extensively.

10. *Protection from cattle.*—The area closed to all cattle throughout the year fell to 8½ per cent. of the total, 1,696 out of 19,559 square miles; the area open to grazing amounted to 87·8 per cent. and that open to goat-browsing to 3·6 per cent. The total number of cattle licensed was 3,320,495 being approximately the same as in the previous year. While adequate attention was thus paid to the needs of cattle owners, it is gratifying to note that illicit grazing seems to have decreased, judging by the number of cattle impounded, and this, notwithstanding that enhanced grazing fees were levied in more districts than previously.

In consequence of the great danger to which the browsing of goats exposes the forests, it has been found necessary of late years to impose considerable limitation on the admission of these animals, and as a result of the enforcement of these restrictions, some owners in Cuddapah and Trichinopoly are said to have sold their goats. The fact that in three taluks of Cuddapah the number of permits issued was more than five times as great as in the preceding year, shows that it is not necessary to infer that the enhancement of the grazing fees for goats was prohibitive, but the matter should receive the careful attention of the Collectors of the districts concerned. The results of the introduction of the *Kancha* system of regulating grazing in Nellore were satisfactory.

11. *Sylviculture.*—Natural reproduction continued to be satisfactory in most of the areas successfully protected, but in Kurnool and Cuddapah the effects of fire were disastrous. The difficulty of combating thickness of under-growth, combined with absence of light, continued to hamper the reproduction of teak from seed.

The area of regular plantation added during the year was 231 acres, including 116 acres of teak at Nilambúr. Fifty-five acres of *taungya* plantation were formed in North Malabar and Gódávari. Cultural operations comprising sowing and planting in natural forest, improvement fellings, etc., seem to have been carried on as usual, but in the absence of any indication of the object of the various operations recorded, or of their place in the scheme of the working of particular forests, it is difficult to judge of their value in relation to the needs of the district.

Experimental arboriculture continued on rather unsystematic lines and without much apparent success. Good results, however, seem to have been obtained with mahogany in Tinnevelly and Malabar and with *Swietenia Macrophylla* in North Malabar and Madura. Of the various kinds of rubber plants tried, none seem to have been very successful. The Government await the Board's report on the question of systematising the experiments and concentrating them in selected localities.

They would suggest to the Board the advisability of publishing in the form of a bulletin, to be issued by the Agricultural Department, any information of value obtained with respect to the casuarina fungus or other pests and diseases which attack trees of economic importance.

12. *Working and outturn.*—The forests were worked on the same system as before, the bulk of the exploitation being by private contractors and right holders, and unregulated working being confined to unreserved areas and to inferior classes of forest produce. In the exploitation of timber, departmental operations increased slightly in proportion to those of private purchasers. The total output amounted to rather under 2 million cubic feet of timber, and 17½ million cubic feet of fuel, both figures showing a slight decrease under those of the previous year. On the other hand the number of bamboos extracted increased by 3 per cent. and the value of minor produce, including grazing, by 10 per cent. Though the amount of timber extracted departmentally during the year fell from 442,000 to 320,000 cubic feet, there was an increase of nearly 100,000 cubic feet in the amount disposed of in the Southern Circle. The Conservator of that Circle, Mr. Brasier, made a special enquiry into the question of the improvement of the commercial working of the forests under his charge, and his very practical suggestions were accepted by the Board and Government (*vide* G.O., No. 479, dated 10th May 1904). It is understood that arrangements have since been made for carrying many of them into effect, and that the department will shortly complete its negotiations for supplying timber to the Kolar Mines. It is hoped that in the current year these departmental operations will be successfully developed.

The decrease in the extraction of fuel is due to the cheapening of coal and its more extensive use by Railway Companies. There is little information in the report about the supply of firewood to the population at large and the ryots in particular. The establishment of firewood depots in towns is a step in the right direction, but these depots do not touch the rural inhabitants. The matter was considered by the Board in 1902 (G.O., No. 878, dated 29th September 1902), and should continue to receive careful attention.

Under the head minor produce, the bulk of the revenue was derived from grazing fees, sale of grass, etc., the receipts being slightly more than in the previous year.

Manure leaves were supplied to cultivators in several districts and special arrangements were made to encourage the growth of such leaves in Chingleput, North Arcot, South Salem, Madura and Tinnevelly. The question of the adequacy of the supply was made the subject of a special report (G.O., No. 676, dated 29th June 1904), and the Government are glad to observe that this very important matter is receiving careful attention and trust that means will be found to place a cheap supply of green manure within the reach of the cultivators.

There was again little demand for fodder. The special experiments in hay-making, initiated at the instance of the Government of India with the object of testing the feasibility of providing a special supply of fodder in times of drought, failed to yield much result. Though considerable quantities of hay were collected at most of the stations there was very little demand for it, probably on account of the abundance of natural fodder during the year. The cost of collection varied from nearly Rs. 19 per ton in Kistna to under Rs. 4 in Coimbatore and the prices realized from Rs. 18 to Rs. 21. The experiments should be continued and efforts made to improve the quality and cheapen the cost of production and transport of the hay.

Amongst free grants of forest produce may be mentioned the extensive grants of timber for building and other domestic purposes made to the ryots who suffered from the floods of December 1903 in Cuddapah, Salem and North and South Arcot. The Board will be requested to report separately on the success of the experiments made in manufacturing agricultural and building materials in Kurnool and Cuddapah for sale to the public.

Financial Results.

13. The gross revenue rose to Rs. 26,90,571 being an increase of 4 per cent. on the last year's figure and of 17 per cent. on the average for the previous three years. Expenditure decreased from Rs. 18,26,555 to Rs. 17,92,425. The net result was a surplus of nearly 9 lakhs against 7½ lakhs in the last year, and an average of 6¼ lakhs for the previous three years. Of the expenditure, about 44 per cent. was devoted to the upkeep and improvement of the forests, and 56 per cent. to exploitation. Departmental exploitation yielded a profit of 22 per cent. against 18 per cent. in the

previous year. The Southern Circle showed a profit of 1¼ lakhs. The chief reason for the decrease in expenditure was the fall in the amount paid for compensation for land acquired to extend the reserved area.

The collections during the year were satisfactory—at the beginning of the year outstandings amounted to Rs. 1,81,058 and the value of sales, etc., during the year was Rs. 26,92,740. Out of the total of Rs. 28,73,798, Rs. 26,90,571 were collected and Rs. 920 written off, leaving a balance outstanding of Rs. 1,82,707.

GENERAL.

14. *Establishment.*—There was no change in the sanctioned permanent establishment. Two deaths occurred in the Upper Controlling staff (Provincial service), and the services of one officer of the Imperial service were dispensed with.

The division of Kurnool district into two forest charges was sanctioned in March 1904, and in December 1903 the North Salem division was constituted a charge of *major* control. To provide for the additional staff required by these charges and to fill the vacancy in the Imperial service and generally to obviate the difficulty experienced in manning the district charges with the sanctioned establishment, the Government of India were asked to sanction the creation of two additional posts of Deputy Conservator, and to recruit in all six additional officers. Three Assistant Conservators have since been posted to the Presidency, but the question of the creation of the additional Deputy Conservatorships has been referred back for further consideration, and the transfer of the post of Assistant Conservator from the Punjab establishment, promised in the Circular from the Government of India No. 17/56 F., dated 4th November 1896, is still awaited. The department is still, the Government consider, inadequately manned; and difficulty is experienced in complying with applications for leave.

The superior staff continued to work well, and His Excellency the Governor in Council is pleased to notice the favourable reports on most of the District Officers. The conduct of the subordinate executive and protective staff on the other hand showed little improvement. The scheme for the institution of local schools of instruction for Foresters and other subordinates has, with certain modifications, been approved and referred back to the Board for detailed proposals. It is hoped that if it is brought into operation, it will have some effect in improving the *morale* of the subordinates attending the schools, and in instilling into them a greater interest in their profession. The Government have also suggested to the Board the advisability of increasing the number of Rangers, since the present establishment seems insufficient to supply the needs of existing Ranges, and it is undesirable to place junior officers in the responsible position of sole charge of a range.

15. The year's administration as a whole may be considered as one of satisfactory progress. The detailed investigation made by the Forest Member (the Hon'ble Mr. H. A. Sim) into the complaints alleged by the people of Anantapur afforded ample evidence that the legitimate interests of the people are carefully studied, and that the increased revenue derived from the State forests, and the increased protection secured to the reserves, do not entail any corresponding hardship to the ryot.

(True Extract.)

(Signed) J. N. ATKINSON,
Ag. Secretary to Government.

To the Board of Revenue (Land Revenue).
„ the Accountant-General.

LIBRARY
OF THE
BOMBAY
BRANCH
OF THE
ROYAL ASIATIC SOCIETY

ANNUAL ADMINISTRATION REPORT

OF THE

FOREST DEPARTMENT

OF THE

MADRAS PRESIDENCY

FOR THE

TWELVE MONTHS ENDING 30TH JUNE 1905.

(1904-1905.)

MADRAS:
PRINTED BY THE SUPERINTENDENT, GOVERNME[illegible]

1906.

TABLE OF CONTENTS.

CHAPTER I.—CONSTITUTION OF STATE FORESTS.

	PARA.	PAGE
1. Alteration in Area—		
Areas—		
Changes during the 12 months.	1	1
Details of the changes in areas.	2	2
2. Forest Settlement—		
Progress in Settlements and Outturn of Work by Special Forest Settlement-officers and by Revenue Divisional-officers.	3	2
3. Demarcation—		
Lengths demarcated and cost of permanent demarcation ..	4	2 & 3
4. Forest Surveys—		
(a) By Survey of India Parties.	5	3 & 4
(b) By Departmental Survey ..	6	4

CHAPTER II.—MANAGEMENT OF STATE FORESTS.

1. Regulation of Management—		
(a) Preparation and Control of Working-plans	7–11	4–6
(b) Annual Plans of Operations ..	12	6 & 7
2. Communications and Buildings—	13	7 & 8
3. Protection of Forests—		
(a) General Protection	14–17	9 & 10
(b) Protection from fire	18& 19	10–13
(c) Protection from cattle ..	20& 21	13–15
(d) Protection of growth against injuries from natural causes.	22	15 & 16
4. Sylviculture—		
(a) Natural Reproduction ..	23	16–18
(b) Artificial Reproduction ..	24	18–20
(c) Operations for the improvement of Growing stock ..	25	20 &21
(d) Experiments	26	21–23
5. Exploitation—		
(a) System of Exploitation—		
(i) Major forest produce—		
(1) Clear or Regeneration Fellings	27	24
(2) Selection Fellings ..	28	24
(3) and (4) Improvement and Coppice Fellings..	29	24 & 25
(5) Unregulated Fellings ..	30	25
(ii) Minor forest produce—		
(1) Miscellaneous produce.	31	25 & 26
(2) Extraction of Fodder..	32	26
(3) Hay-making	33	26 & 27
(4) Grazing	34	27
(b) Agency of Exploitation—		
(i) By Departmental Agency.	35	27 & 28
(ii) By Purchasers .. .. Confiscated Produce ..	36	28 & 29
(iii) By Right-Holders ..	37	29
(iv) By Free Grantees ..	38	29
(c) Out-turn and sources of Forest Produce	39	30

CHAPTER III.—FINANCIAL RESULTS.

Revenue and Expenditure	40	30–32

CHAPTER IV.—ADMINISTRATION.

General	41	32
Conduct of Establishment—		
(i) Executive staff	42	33
(ii) Protective staff	43	33
(iii) Ministerial establishment.	44	33
Health of the Establishment ..	45	33
Relations between Revenue and Forest Officials	46	33 & 34
Service Books	47	34
Tours of the Forest Member ..	48	34
Conservators' Inspections ..	49	34
Touring of District Forest-officers.	50	34
Inspection of Range offices by District Forest-officers ..	51	34
Audit of the accounts of the District Forest offices	52	34
Forest school, Dehra Dun ..	53	34
Forest school, Coimbatore ..	54	34
Work and services of Superior officers	55	34 & 35

CHAPTER V.—GENERAL.

	PARA.	PAGE
Realization of revenue from the usufruct of toddy-yielding trees on Government waste and Poramboke Lands	56	36
Measures adopted to encourage the growth of manure — leaf yielding trees and shrubs ..	57	
Rules under the Forest Act ..	58	36 & 37
Rules under Section 26 of the Forest Act	59	37
Inventory of valuable stock ..	60	
Rain-gauges	61	
Supply of Forest Produce to meet the wants of the people ..	62	37 & 38
Cultivation in Reserved Forests ..	63	38
Suits	64	38 & 39
Elephants	65	39
The Saw-mill at Mount Stuart ..	66	
The wire ropeway at Mount Stuart	67	
Mica, &c.	68	39 & 40
Forest Museum	69	40

APPENDICES.

	PAGE
Appendix A—District areas and Forest Reserves	i
Do. B—Reserved Forests in square miles	ii
Do. C—Particulars of balance of lands under Settlement	iii to v
Do. D—Causes of delay in the submission of final Notification of Forest Reserves	vi
Do. E—Reserved Forest not under settlement in square miles	vii
Do. F—Abstract of District Reports in regard to the maintenance of Maps ..	viii & ix
Do. G—Statement showing the area of Forest Reserves for which final Maps have been prepared	x
Area of Reserved Forests and Reserved Lands (No. 44)	xi to xvii
Progress made in, and expenditure incurred on, Forest settlements during 1904–1905 (No. 45)	xviii to xxv
Record of demarcation and maintenance of boundaries (No. 46)	xxvi
Forest Areas Surveyed and under Survey (No. 47)	xxvii & xxviii
Progress made in Working-Plans (No. 48)	xxix
Communications and Buildings (No. 49)	xxx to xxxvii
Register of Breaches of Forest Rules (No. 50)	xxxviii to xlv
Appendix to No. 50	xlvi & xlvii
Area of Forest Tracts protected from Fire (No. 51)	xlviii to lxiv
Areas open and closed to grazing (No. 52)	lxv
Statement of grazing in Reserved Forest and Reserved lands (No. 53)	lxvi to lxix
Area of plantations, cultural operations and Topes (No. 54)	lxx & lxxi
Statement showing the Outturn of Timber and Firewood and Agency of Exploitation (No. 55)	lxxii to lxxxvii
Outturn of Minor Forest Produce (No. 56)	lxxxviii
Account of Timber, &c., in Depots and sold locally (No. 57)	lxxxix to xci
Abstract showing the value of Timber and other Produce at Depots (No. 58) ..	xcii to xcv
Summary of Revenue and Expenditure (No. 59)	xcvi to ciii
Abstract of the above prepared in the Board's office	civ & cv
Outstandings and Liabilities on account of Contractors and Disbursers (No. 60) ..	cvi
Do. on account of Revenue (No. 61)	cvii
Statement of Financial results (No. 62)	cviii
Return of Elephants (No. 63)	cix & cx
Abstract showing the value of Live-stock, Stores, Tools and Plant (No. 64) ..	cxi to cxv
Statement showing the results of Transport of Wood by Tramways compared with the Transport by Carts (No. 65)	cxvi to cxix
Timber and other Produce cut and collected and removed by Consumers (No. 72 A, Old Code)	cxx
Timber and other Produce confiscated and sold (No. 72 B, Old Code)	cxxi

PROGRESS REPORT

OF

FOREST ADMINISTRATION IN THE MADRAS PRESIDENCY

FOR THE TWELVE MONTHS ENDING 30TH JUNE 1905.

CHAPTER I.—CONSTITUTION OF STATE FORESTS.

1. Alteration in Area.

The following abstract from Form No. 44 shows the changes in the areas of reserved forests and reserved lands in the three circles and in the Presidency as a whole during the year:—

—	Area on 1st July 1904.	Added during the year.	Excluded during the year.	Net increase or decrease.	Area on 30th June 1905.
Northern Circle.	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.
Reserved forests	6,316	(a) 119 (b) 8	..	+ 127	6,443
Do. lands	503	(c) 11	(d) 2 (e) 119	— 110	393
Total ..	6,819	138	121	+ 17	6,836
Central Circle.					
Reserved forests	7,001	39	(b) 8	+ 31	7,032
Do. lands	264	(c) 1	(f) 1 (d) 3 (e) 39	— 42	222
Total ..	7,265	40	51	— 11	7,254
Southern Circle.					
Reserved forests	4,606	29	(g) 3	+ 26	4,632
Do. lands	869	(f) 1 (c) 65	2 (e) 29	+ 35	904
Total ..	5,475	95	34	+ 61	5,536
Total.					
Reserved forests	17,923	195	11	+ 184	18,107
Do. lands	1,636	78	195	— 117	1,519
Grand Total ..	19,559	273	206	+ 67	19,626

(a) Transferred from reserved lands.
(b) Transferred from Nellore to Guntur.
(c) Newly constituted reserved lands.
(d) Excluded at settlement.
(e) Transferred to reserved forests.
(f) Revision of area.
(g) Disafforested or unreserved.

2. The total area under the control of the department rose during the year from 19,559 square miles to 19,626 square miles. The increase of 67 square miles is due to the notification, under section 4 of the Forest Act, of fresh areas mainly in the districts of Anantapur, North Coimbatore and Madura.

Reserved Forests.

A net addition of 184 square miles was made to the area of Reserved Forests during the year. This figure is made up of 187 square miles newly constituted reserved forest less 3 square miles of forest in Madura which was disafforested, the area being required by the neighbouring villages for the exercise of communal privileges and containing poor growth.

Reserved Lands.

There was a net decrease of 117 square miles under this head during the year, this result being due to the transfer of 187 square miles to reserved forest, to the abandonment of 8 square miles while there accrued an addition of 78 square miles only. The total area of reserved lands at the end of the year was 1,519 square miles and out of this extent 1,110 square miles were lands notified under section 4, 167 square miles leased forests and the remaining 242 square miles lands reserved under the rules framed under section 26 of the Forest Act.

2. Forest Settlement.

3. One hundred and seventeen blocks covering an aggregate area of 1,119 square miles remained to be constituted reserved forests at the commencement of the year and adding to this 39 blocks with an area of 183 square miles there were on the whole 156 blocks comprising an area of 1,302 square miles. An extent of 5 square miles was excluded at Settlement and 46 blocks covering an area of 187 square miles were constituted reserved forests during the year leaving 110 blocks with an area of 1,110 square miles to be declared reserved forests at the close of the year. Of these 16 blocks comprising 18 square miles were notified under section 16, during 1904-1905, their reservation taking effect only after the close of the year, 8 blocks with an area of 37 square miles have since been finally notified under the same section and 31 blocks covering an area of 316 square miles have been practically settled leaving 55 blocks with an area of 739 square miles still to be settled. Of these 13 blocks covering an area of about half a square mile were being settled by the Revenue Divisional officer and the rest by the two Special Forest Settlement-officers.

The cost incurred during the year on account of the pay of the Special Forest Settlement-officers and their establishments, for the survey and demarcation of enclosures, &c., and for the payment of compensation for private lands included within the reserves, amounted to Rs. 32,072 exclusive of the cost of the Special Forest Settlement establishment entertained by the Board of Revenue.

Besides the above mentioned 739 square miles, about 102 square miles of reserved lands in *Vizagapatam* and *South Canara* and 97 square miles of unreserved lands in *Anantapur*, making in all a total area of 938 square miles, remained to be dealt with by the Forest Settlement-officers at the close of the year.

3. Demarcation.

4. One thousand seven hundred and fifty-three miles of boundary lines were demarcated at a cost of Rs. 18,749 against 1,005 miles at a cost of Rs. 15,962 in the previous year. The average cost per mile for the Presidency was Rs. 10-11-1 against Rs. 15-14-1 in the previous year. The increase of 748 miles is mainly due to a greater outturn in *Vizagapatam*, *Gódávari*, *Kurnool West*, *South Canara*, *North Malabar* and *North Coimbatore*. There remained at the close of the year 1,143 miles still to be demarcated.

The system adopted in demarcating the boundaries of reserved forests is, as usual, clearing of the lines and constructing of cairns or planting of stone slabs.

A total length of 5,552 miles was cleared at a cost of Rs. 13,958 against 6,375 miles at a cost of Rs. 4,268 in the previous year. A length of 6,618 miles was cleared by forest subordinates free of cost against 3,522 miles in the previous year.

4. Forest Surveys.

(*a*) *By Survey of India Party.*

5. The survey operations were carried on during the year by No. 19 Party which was divided into sections, each section being placed under the immediate control of a Provincial officer. The outturn of the party's work is shown in the following statement:—

District.	Triangulation.	Traversing.	Topography.	
			Total.	Reserve Forests.
	SQ. MLS.	LR. MLS.	SQ. MLS.	SQ. MLS.
Gódávari	..	..	226·94	131·04
South Canara	97	28·8	254·15	(*a*) 104·76
Ganjám	208	..	123·80	82·74
North Coimbatore	..	..	133·73	..
Guntur	..	..	11·85	10·96
North Malabar	717	..	..	..
Test survey 1 inch = 1 mile ..	..	..	135 79	..

(*a*) Exclusive of thirty square miles of Neriya Cardamom Estate.

The cost of operations is compared with that of the two previous years in the following statement:—

Description of work.	Area surveyed.			Cost rate per square mile.		
	1902–1903.	1903–1904.	1904–1905.	1902–1903.	1903–1904.	1904–1905.
				RS.	RS.	RS.
Triangulation (square miles) ..	2,030	1,937	1,022	5	9	14
Traversing (miles)	538	247	29	13	19	30
Topography (square miles)	1,411	803	886	58	121	104

The increase in cost is principally due to enhanced allowances in the Wynaad, an increased rate for labour especially in the *Gódávari* district and also to additional labour to overcome difficulties in the work.

The actual expenditure of the party for the survey year including cost of instruments is Rs. 1,10,424 against Rs. 1,04,455 in the previous year. The amount debitable to the Forest Department excluding the contribution by the Government of India was Rs. 77,296 as against Rs. 70,033 in the previous year. The health of the party was not good and the menial establishment suffered greatly through malaria. The effects of sickness increased the usual difficulties and the completion of the work within the limited time proved an arduous task. The season's work was verified by the District Forest-officers of *South Canara*, *Ganjám* and *North Coimbatore*, who visited Bangalore for the purpose. The District Forest-officer, *Gódávari*, however, deferred the usual visit and this prevented the verification of a large area. All the sheets of the *Gódávari* district were withheld from publication in consequence. A small area in *Ganjám* was surveyed but the mapping was not completed, it being considered advisable to give precedence to the arrears work of other districts. Twenty sheets of *South Canara* were ready for publication of which five will be provisional issues, until such time as a definite decision is arrived at respecting the portions under dispute.

Thirteen sheets of *North Coimbatore* were also ready, but two sheets of these would be provisional issues. The total number of sheets sent for publication in respect to *Kistna-Guntúr* districts was five but none of them could be published as final issues owing to a dispute respecting the correct demarcation of the boundary common to the two districts.

The arrears work of the *Cuddapah* and *Kurnool* districts amounts to twenty-two sheets some of which have been withheld from publication since 1900 owing to existing disputes and various other reasons. Arrangements are now however being made to send them for publication. Of these sheets nine will be provisional issues.

(*b*) *By Departmental Survey.*

6. In *Ganjám*, 33 miles of enclosure boundaries in Pondakhol reserve and 54 miles of protected fire-blocks were surveyed by forest surveyors, while the boundaries of seven reserves in the Rajahmundry and four in the Rekapalle range of the *Gódávari* district were likewise surveyed departmentally. In *Kistna*, 15 square miles of survey with interior details and 78 miles of boundary surveys were done, while the surveyor in *Guntúr* surveyed 42 square miles, 20 of which were made with interior details and the rest were confined to boundaries only. In *Kurnool West*, the surveyor-draftsman was as usual engaged in surveying the unsurveyed fields in the reserves under settlement and fixing their correct positions on the reserved maps, while in *Kurnool East*, the only work done was the survey of coupes felled in the Railway fuel-working circle prior to 1904–1905 comprising an area of 11,656 acres. In *North Salem*, a surveyor was engaged in preparing maps showing position of reserves with reference to village plans and in surveying the enclosures in reserves settled during the year. In *South Salem*, there were two surveyors employed for ten and six months respectively. One of them was engaged in surveying the coupes felled and to be felled in the Salem East range and in preparing plans and estimates for a road to facilitate extraction of produce. In *South Canara*, three blocks of an aggregate area of 12 square miles were surveyed by a temporary surveyor. In *South Coimbatore*, the only work done was the survey of the cleared area of the coffee estate No. 19 on the Anamalais.

CHAPTER II.—MANAGEMENT OF STATE FORESTS.

1. Regulation of Management.

(*a*) *Preparation and Control of Regular Working-plans.*

7. Working-plans for 1,046 square miles were sanctioned by the Board during the year and plans for 1,214 square miles were under preparation at its close. The reason for the smaller outturn will be found below.

An expenditure of Rs. 2,118 was incurred under this head besides the cost of the Working-plans officers and their office establishments.

In the *Northern Circle*, the prescriptions of the working-plans were generally adhered to except for slight deviations. In the *Central Circle*, the same remark applies except that plans in *North* and *South Salem* and *North Arcot* were much in arrears owing to the department having lost the railway fuel contract, with a view to meet which the plans were principally prepared. In the *Southern Circle*, the plans were generally adhered to with some deviations except in *North* and *South Coimbatore* where the plans are mostly found unworkable and will have to be revised.

A revised working plan for a casuarina plantation, *Tanjore*, was sanctioned by the Board and that for the Nilambur teak plantations, *South Malabar*, is awaiting sanction. The revised plan for the Sandur leased forests in *Bellary* was approved of by the Conservator. The following plans are reported to require revision:—Agasti-

Nowgam plantation, *Ganjám*, and Méttupálaiyam and Bolampatti plans in *South Coimbatore*, as also the preliminary sandalwood plans in *North Coimbatore* and other plans in that district. The area for which working plans are still required is estimated to be 10,021 square miles.

Work of the Special Working-plans Officers.

8. *Northern Circle.*—Mr. Cowley-Brown, the Special Working-plans officer, was on duty till September 1904. The working-plan for a portion of the Nallamalai forests, *Kurnool*, which was under preparation at the close of the last year, was submitted to the Board for sanction. It was however returned for revision by the District Forest-officer Mr. Wood and for this purpose a conference consisting of the Collector, District Forest-officers of East and West Kurnool, Conservator of Forests and Forest Member has since been held at Nandyal at which considerable modifications of the original plans were proposed although the main conditions were adhered to.

Central Circle.—Extra Assistant Conservator M.R.Ry. V. S. Gurunatha Pillai continued to be the Special Working-plans officer till his transfer to the Coimbatore school on 13th March 1905. Owing to the paucity of officers for district charges, a successor was not appointed. He submitted during the year a working-plan for the *North* and *South Arcot* Javadi Hill forests and another for the Vellore East range which were ordered by the Conservator to be tried experimentally for a year before submission to the Board. A working plan for the Vellore forests drawn up by him was sanctioned by the Board. The reconnaissance report for the Pullampet range, *Cuddapah*, received from him was returned to the District Forest-officer to await the posting of a Working-plan officer. There being however no immediate likelihood of an officer being deputed, the District Forest-officer has since taken up the work himself.

Southern Circle.—Mr. H. F. Arbuthnot, who was appointed Special Working-plans officer in December 1904, was engaged in collecting statistics and making valuation surveys of the outer slopes of the Anamalai forests.

9. The working-plans sanctioned during the year and the system of working prescribed in each case are detailed below :—

District.	Name of working plan.	System prescribed.
Ganjám	Working-plan for Surada and Bugada ranges.	Improvement fellings and compound coppice system in the inferior portions of the reserves.
	Working-plan for Mohiri hills	Coppice with standards.
Kistna	Working-plan for Kondapalli forests and its extension.	Do.
Bellary	Working-plan for Adóni and Atur ranges.	Protection and artificial regeneration operations
Anantapur	Working plan for the Kalyandrug range.	Protection and removal of dead wood, regulation of grazing.
	Working-plan for the forests of the Pamidi range.	*Hill blocks.*—Protection with artificial and natural regeneration. *Plains blocks* Babul areas.—Coppice with standards. Palmyra areas.—Selection fellings departmentally.
Nellore	Working-plan for Venad and Pernad reserves.	Coppice with standards.
North Arcot	Working-plan for the Chandragiri range.	Timber working circles.—Selection fellings Fuel working circles.—Coppice with standards.
	Working-plan for the Vellore forests ..	Timber working circles—Combined system selection and improvement fellings. Fuel working circles —Coppice with standards.
North Salem	Tiruppattur Sandalwood working plan..	Selection fellings.
South Salem	Working-plan for the Salem East range.	Timber and bamboo compartments.—Improvement fellings. Fuel compartments—coppice with standards.
South Canara	Working-plan for the Baindur and Ajjarakadu reserved forests.	Located loppings for fodder and manure and dead firewood.
South Malabar	Working plan for the Beypore Tope reserve.	Palmyra trees in bearing to be leased and other trees to be cut and area planted with cocoanuts.

Besides the above, supplemental working-plans for the Ramallakot range, Kurnool working circle, and for the Ambur forests, *North Arcot District*, were sanctioned by the Board.

10. The following working-plans were under preparation during the year:—

Northern Circle.—In *Guntúr*, a working plan for 2·59 square miles comprising Kottapatam plantation transferred from the Nellore district; in *Kurnool*, for 319 square miles of Pattikonda, Kurnool and Owk ranges; in *Bellary*, for 38 square miles in Rayadrug range; and in *Vizagapatam*, for all the areas mentioned in the last report, comprising a total area of 118·47 square miles. A working-plan for 55 square miles in Bellary range awaits sanction.

Central Circle.—In *Chingleput*, a reconnaissance was submitted for the Chingleput range and a combined plan for both the ranges of the district was ordered to be prepared. It has since been submitted, but will need correction of details. In *South Arcot*, reconnaissance reports for the remaining working circles of the Kallakurichi range were approved of by the Conservator and a draft working plan for the whole range was prepared by Mr. C. M. Maduranayagam Pillai and forwarded to the District Forest officer for completion. The Atur working-plan, *South Salem*, mentioned in the last report, was returned to the compiler, Extra Assistant Conservator Mr. J. A. Daly, for making certain corrections. It has since been received.

Southern Circle.—Plans for the Kodaikánal Range (225 square miles) in *Madura* and for 33 square miles in Vasudevanallur reserve in *Tinnevelly* were under preparation.

(*b*) *Preliminary Working Plan Reports.*

11. *Northern Circle.*—Mr. Rego, Extra Assistant Conservator, specially deputed for the preparation of working-plans in *Gódávari*, submitted preliminary ones for Peddápur and Rajahmundry Ranges. Preparatory to regular working-plans, the major portion of the area in *Kistna* continued to be worked under located clearance fellings as reported last year and efforts were made in the same direction in the scrub jungle in *Guntúr*.

Central Circle.—In *Cuddapah*, a reconnaissance report for Pullampet was, as already observed above, submitted by the Working-plans officer and returned to the District Forest-officer. Working-plans for Rapur range, *Nellore*, was submitted to the Conservator and ordered by him to be tried for a year before transmission to the Board for final sanction. In *Nellore*, a Working-plan for extending the casuarina planting to the Tammenapatam extension A in the Coast range was approved of by the Conservator. Reconnaissance reports submitted for *Hosur* and *Dharmapuri* ranges, *North Salem*, were returned by the Conservator for certain modifications. In *Trichinopoly*, reconnaissance reports for twelve working circles were submitted to the Conservator and approved by him.

Southern Circle.—Valuation survey of Eucalyptus and Acacia plantations in the *Nilgiris* was completed by Mr. Cowley-Brown who was specially deputed for the purpose.

(*c*) *Annual Plan of Operations.*

12. The annual plans of operations were generally adhered to except in the following instances:—

Northern Circle.—The demarcation of two reserves in *Ganjam* and three in *Kurnool East* was not undertaken, the former for want of Government Orders notifying the blocks and the latter owing to the late receipt of sanction. In *Kurnool West*, the Nallamalais road works were postponed until the working-plan disclosed the correct routes. In *Bellary*, the opportunity offered to the public for felling and extracting fuel in Chiribi and three other reserves was not availed of and a coupe was opened in Rayadrug reserve to meet the existing demand.

Central Circle.—Departmental collection of minor forest produce in Vayalpad Seshachallams and of timber and fuel in Pullampet range, *Cuddapah district*, were not undertaken for want of establishment to arrange for the departmental working. In

Nellore, a fuel depot not provided for in the plan of operations was opened at the khasba town and experimental timber depots at range head-quarters. Many of the coupes in *Nellore* and *Chingleput* prescribed for the year were not sold for want of bidders, though some unsold coupes of the previous years were sold in the former district. In *North Arcot*, supply of casuarina fuel to the Ránipét distillery and of fuel to Tirupati town was not made for want of demand. The construction of a few roads and buildings was postponed as in last year pending alignment and personal inspection by the District Forest-officer and to provide funds for incomplete and more urgent works. Rectification of demarcation was undertaken only to a limited extent, careful and thorough enquiries being instituted to avoid rectifications in the future. In *South Arcot*, bamboos were worked under the lease system instead of departmentally. Fuel coupe working was short owing to preparation being behind hand and to slackness of demand. In *North* and *South Salem*, some of the works proposed were not undertaken or left incomplete for want of establishment in some cases and in others owing to late sanction and delay in acquisition of lands and adjudication of rights of way. Two timber sheds in *North Salem* were newly constructed and charcoal was not manufactured in Tellai coupes for want of demand. In *Trichinopoly*, construction of two rest-houses had to be deferred pending acquisition of sites.

Southern Circle.—In *South Coimbatore*, more extended departmental operations than originally contemplated were undertaken and in consequence repairs to certain roads and buildings and the purchase of three elephants were given up as being not urgently required. In *South Canara*, departmental working of firewood coupes in Coondapoor range was undertaken and the collection of bamboos and minor produce abandoned. Bamboos were not worked in the *Nilgiris* for want of bids. In *South Malabar*, the construction of some bridle-paths and out-houses was deferred to provide for more urgent works. The difficulties with the Mysore Darbar and the heavy boundary clearing work for the Survey of India led to considerable deviations in *North Malabar*. Departmental felling operations were abandoned in some coupes for want of demand and other works undertaken instead.

2. Communications and Buildings.

13. The subjoined statement shows the outlay on communications and buildings during the year under report as compared with the previous year :—

	1903-1904.	1904-1905.
	Rs.	Rs.
Roads and bridges	42,265	41,650
Buildings	45,770	70,747
Other works	11,032	13,691

There is a marked increase under "Buildings" mainly distributed over *Gódávari*, *Kurnool*, *Anantapur*, *North* and *South Malabar*.

(*a*) *Roads and Bridges.*

The important works of a permanent nature done in the *Northern Circle* were the improvement of timber tracks in Rekapalle hill reserve and part construction of roads in Peddapur range, *Gódávari*; two new roads to a length of 1⅛ and 5⅛ miles, respectively, in each of the districts of *Kistna* and *Guntur* and a cart-track in *Anantapur*. In the *Central Circle* the Pudipatlabailu road (2 miles) and Papasamudram cart-track in *North Arcot* were constructed. The reconstruction of the old road from Denkanikotta to Sameri (11¼ miles) in *North Salem*, referred to in the previous year's report, was partly completed while the Mallapuram ghât and Chitteri roads in *South Salem* were repaired. In the *Southern Circle*, new cart-tracks in Coondapoor range, *South Canara*, and a road (18 miles) connecting Pavaguddai with Chedleth-Muthanga road in *North Malabar*, were opened. The construction of the Gundal valley road to a

length of 9 miles and of a cart-track from Kalkadambur to Uginiem to a length of 5 miles in *North Coimbatore*, was undertaken and completed. In *Madura*, Sendarinattan road and Mariam Sholakukal bridle-path were constructed. In *Tinnevelly*, Mudaliaruthu Chittar bridle-path (3 miles) was extended and a road was constructed and another diverted.

Besides temporary tracks constructed in coupes to facilitate inspections and carting of produce in some of the districts, preliminary clearing of block lines in *Ganjám*, clearing of the alignment line for the road from Bonda to Ramanapenta in *Gódávari* were also done.

Tramways.—As in previous years, wood was carried in some portions of the *Nellore* and *South Coimbatore* districts by means of tramways, and the mono-rail introduced in the *Gódávari* district was worked for the first time in that district. The results of the operations are recorded in Form No. 65. In *Nellore*, the tramway at Sriharikota carried 7,831 tons of produce or 31,324 ton-miles were run against 7,344 tons or 29,376 ton-miles in the previous year. In the adjoining coast range the quantity trammed was 10,252 tons or 18,307 ton-miles against 11,686 tons or 17,850 ton-miles. Rupees 5,155 was spent in the purchase of sleepers and other tramway materials and Rs. 98 was spent on repairs. In *South Coimbatore* the quantity of timber trammed was 1,461 tons or 6,183 ton-miles against 1,501 tons or 6,907 ton-miles in the previous year, of which 1,128 tons were drawn by Government bulls, and 333 tons by hired bullocks. Compared with the old system of transporting timber by coolies and carts, the results of working show as usual a profit in *Nellore* and a loss in *South Coimbatore*. In *Gódávari*, 446 tons of wood were trammed by the mono-rail to a distance of $\frac{3}{4}$ mile, *i.e.*, 335 ton-miles were run at a cost of Rs. 678 against Rs. 350 the estimated charges for carrying the wood by coolies. Thus the operation in *Gódávari* was conducted at a loss during the first year of its working.

(*b*) *Buildings.*

The most important works of a permanent nature are noted below :—

Northern Circle.—Rest-houses at Rambha and Kondalbonda in *Ganjám* and at Somanamalla in *Gódávari* were constructed. The Mogalutla bungalow was built in *Guntur*, while Range offices at Veligode and Dhone together with Range officers' and subordinates' quarters at the latter were built in *Kurnool West*. A rest-house at Nyalakota and the Range office at Pamidi in *Anantapur* were also erected.

Central Circle.—A Range office at Podalakur and two rest-houses at Datsur and Marripadu in *Nellore*, forest guards' lines at Mamandur and Nagapatla, the Nadanur bungalow and Patrakad rest-house in *North Arcot*; Urigam rest and out houses in *North Salem* and a Range office at Harur in *South Salem* were the chief buildings constructed.

Southern Circle.—In *South Canara*, the rest-house at Alúr and the Range office at Mangalore were extended, and a rest-house at Bangitappal in the Nilgiris was constructed. A store godown at Bhaváni in *North Coimbatore*, Range quarters at Kuppadi and extensions to the Odapallem Serambi in *North Malabar*, subordinates' quarters at Nedungayam and Nellikutta, and a Range office at Palghat, *South Malabar*, rest-houses at Kavinji and Pudur in *Madura*, were the other chief works. The bungalow at Nadugani in *Tinnevelly*, the construction of which was stopped last year owing to a landslip, was completed this year.

In addition to the above, several temporary structures were constructed for storing produce and housing establishment.

(*c*) *Miscellaneous Works.*

The chief works undertaken were the construction of wells, etc., to improve the water-supply and the fencing of some topes and reserves.

3. Protection of Forests.

(a) *General Protection.*

14. The following statement shows the number and classification of forest offences brought to light during the year :—

Circle.	Cases taken into Court.				Cases compounded.				Cases undetected.				Total cases.				Grand total of cases.
	Injury to forests by fire.	Unauthorized felling or appropriation of wood and minor forest produce.	Grazing without permission or in tracts in which grazing is prohibited.	Other offences.	Injury to forests by fire.	Unauthorized felling or appropriation of wood and minor forest produce.	Grazing without permission or in tracts in which grazing is prohibited.	Other offences.	Injury to forests by fire.	Unauthorized felling or appropriation of wood and minor forest produce.	Grazing without permission or in tracts in which grazing is prohibited.	Other offences.	Injury to forests by fire.	Unauthorized felling or appropriation of wood and minor forest produce.	Grazing without permission or in tracts in which grazing is prohibited.	Other offences.	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Northern ..	11	1,180	465	125	..	1,723	1,077	148	146	169	50	10	157	3,072	1,592	283	5,104
Central ..	15	2,101	1,093	210	3	5,474	2,665	324	261	688	85	55	279	8,263	3,843	589	12,974
Southern ..	27	676	245	159	9	1,708	714	127	70	14	102	1	106	2,398	1,061	287	*3,852
Total ..	53	3,957	1,803	494	12	8,905	4,456	599	477	871	237	66	542	13,733	6,496	1,159	21,930
Total for 1903-1904.	49	3,435	2,596	397	17	8,462	4,750	601	495	729	310	42	561	12,626	7,656	1,040	21,883

* Exclusive of 384 petty offences, the offenders concerned in which were let off with a warning.

The total number of new cases was 21,930. Compared with the average of the three previous years, the number of cases reported was fewer by 989. The decrease occurred under "grazing" and "other offences" partly counterbalanced by increase under the remaining heads. Under "grazing" the number of new cases reported was less chiefly in *Nellore*, *North Arcot* and *South Arcot*. The decrease in *Nellore* is more marked and attributed mainly to increased facilities afforded to the graziers by allowing one permit to be valid in all the reserves of the district, and to the introduction of the Kancha system and partly to the increased mortality of cattle more especially in the inland taluks. The fall in the number of grazing offences was accompanied by an increase in the grazing revenue. Under "Other offences" the decrease is small, the cases reported being only 42 less than the average of the previous three years.

The total increase under the remaining two heads is not very marked, that under "Unauthorized felling" being only 1,316 cases over the average of the three previous years and that under "Fires" 112.

There were 1,651 undetected cases against 1,576 in the previous year. The increase occurred chiefly in *Bellary* under "Fires" and in *South Arcot* under "Unauthorized felling."

The number of cases pending at the beginning of the year was 3,083 and at its close 3,579, of which 1,433 were with Magistrates.

15. The following statement shows the result of cases brought to trial :—

Circles.	1903-1904.		1904-1905.		Percentage of failure.	
	Convictions.	Acquittals.	Convictions.	Acquittals.	1903-1904.	1904-1905.
Northern	1,791	151	1,254	127	7·77	9·19
Central	3,450	315	3,226	250	8·36	7·19
Southern	863	135	779	94	13·52	10·76
Total ..	6,104	601	5,259	471	8·96	8·22

Besides the 5,730 cases shown above, 546 cases were withdrawn under the orders of the District Forest-officer. The percentage of convictions obtained is 91·78 against 91·04 in the preceding year.

16. The following statement compares the number of cases compounded and the compensation fees realized with the figures of the previous year:—

Circles.	1903-1904.		1904-1905.	
	Number of cases.	Amount recovered.	Number of cases.	Amount recovered.
		Rs.		Rs.
Northern	2,040	15,052	2,433	18,882
Central	8,203	56,429	7,646	64,039
Southern	2,461	19,303	2,208	19,523
Total ..	12,704	90,784	12,287	1,02,444

The number of cases compounded was slightly less than in the previous year by 417, but the amount realized on account of compounding fees was in excess of the previous year's amount by Rs. 11,660 due to marked increase in the amounts realized in *Kurnool East* and *West* and *Cuddapah*. The increase in *Kurnool*, is attributed to the division of the district into two charges and consequent more efficient supervision and to the increased illicit goat-browsing cases in *Kurnool West*, where the compounding fee realized per goat was fixed at As. 6. That in *Cuddapah* to heavy compounding fees realized as a deterrent punishment. A case of illicit felling by Moplas of Malabar at the instigation of a timber merchant which occurred in *South Coimbatore*, was compounded for Rs. 500, so far as the merchant was concerned. Several of the men actually detected in the felling were, however, tried and convicted.

17. The punishments inflicted by Magistrates were, on the whole, satisfactory except in *Guntur* and *Cuddapah*. In the former, the punishments inflicted by the Magistracy are considered not sufficiently deterrent, while in the latter, unduly lenient punishments were brought to the notice of the Collector. There were some noteworthy cases of illicit removal of sandalwood from some reserves in *South Salem*, the accused being convicted and sentenced in two cases, while a third is pending before the Head Assistant Magistrate, Tiruppattúr.

Rewards to informers of cases including abkári officers who brought to notice cases of overtapping toddy-yielding trees were sparingly granted in some districts.

(*b*) *Protection from Fire.*

18. Except in *Cuddapah*, the system adopted was the same as that in the previous years. In rigidly protected areas, external and internal boundaries of the blocks were cleared and burnt and fire-patrols appointed to keep the lines clear of dead leaves and other combustible matter and to be on the look out for fires. Though the breadth of the lines cleared and fire-traced varied in several districts, it was increased in almost all, as it was found that the width hitherto allowed was too narrow to be effective in many cases. In *Cuddapah*, the fire lines for the most part were discarded, regular lines being only cut round coupes and along the district boundaries and narrow lines made round patches of rich Tamba forests in the Seshachellams. The fire-patrols were dispensed with and single watchers were posted at suitable villages in sight of the reserves ready to get prompt aid from the villagers when a fire was seen. The areas at higher elevations where the villagers will not or cannot reach in time were protected by gangs of men permanently employed for the season. The collection of minor forest produce was done departmentally to bring the jungle tribe called Yenadis under control and observation. But no comparison can yet be made of the results of this system with those of the previous years, as, owing to want of rain, there was only a small crop of grass which the people wished to preserve rather than burn as they did persistently in former years.

The area attempted to be protected amounted, as shown in Form No. 51, to 6,509 square miles against 5,641 square miles in the previous year. Of these, 6,350 square miles were successfully protected against 5,103 square miles in the previous year. The proportion of failures was only 2·4 per cent. against 9·5 per cent. in the preceding year. The cost per square mile successfully protected was Rs. 8–10–11 against Rs. 8–11–0 in the previous year. The proportion of failures in specially protected areas was only 3·5 per cent.

19. The following statement shows the number and origin of the fires in the several districts :—

Division or Circle.	A. Fire caused by accident or through carelessness in burning fire lines.		B. Fires entering the forests by crossing exterior fire traces.		C. Fires beginning inside the reserves or fire-traced areas.							
					Owing to carelessness or accident.							
					By workmen employed in the forests, by purchasers of forest produce, and by hay-cutters.		By villagers, travellers, etc., passing through the forests.		By railway engines.		By lightning or by fire-balloons.	
	Number of fires.	Area burnt in acres.	Number of fires.	Area burnt in acres.	Number of fires.	Area burnt in acres.	Number of fires.	Area burnt in acres.	Number of fires.	Area burnt in acres.	Number of fires.	Area burnt in acres.
1	2	3	4	5	6	7	8	9	10	11	12	13
Northern Circle.												
Ganjám	..	..	..	..	..	..	1	20	..	..	..	..
Vizagapatam	..	..	1	2	4	73	2	32	..	..	..	..
Gódávari	11	578	5	3,835	..	..	9	236	..	..	..	..
Kistna	..	..	..	..	..	..	..	..	..	..	..	..
Guntúr	..	..	..	..	..	..	4	81	..	..	..	..
Kurnool, East	..	..	..	..	..	..	..	..	..	..	..	..
Do. West	..	..	..	..	..	..	..	..	..	..	..	..
Bellary	..	..	..	..	1	‡ ..	..	..	..	..	..	..
Anantapur	1	2,000	7	265	..	..	1	80	..	..	..	..
Total, Northern Circle	12	2,578	13	4,102	5	73	17	449	..	..	..	..
Central Circle.												
Cuddapah	..	..	2	536	1	40	..	..	..	..	..	..
Nellore	3	6	..	..	1	30	..	..	..	..	..	..
Chingleput	..	..	..	..	..	..	..	..	..	..	..	..
North Arcot	2	80	14	2,505	..	..	19	1,029	..	..	2	3
South do.	..	..	3	32	1	* ..	2	566	..	..	..	..
North Salem	1	50	1	2	1	70	6	8,769	..	..	..	..
South do.	..	..	..	..	..	..	..	..	1	5	..	..
Trichinopoly	..	..	..	..	..	..	..	..	..	..	..	..
Tanjore	..	..	..	..	..	..	..	..	..	..	..	..
Total, Central Circle	6	136	20	3,075	4	140	27	10,364	1	5	2	3
Southern Circle.												
South Canara	4	70	..	..	1	10	19	762	..	..	..	..
North Malabar	..	..	1	180	..	* ..	5	3,198	..	..	..	..
South do.	..	..	4	23	..	..	3	30	..	..	..	..
The Nilgiris	..	..	..	..	..	..	1	100	..	..	..	..
North Coimbatore	..	..	5	† 7,597	..	..	1	769	..	..	..	..
South do.	1	20	5	1,560	1	40	3	53	..	..	..	..
Madura	..	..	10	970	2	40	1	15	..	..	..	..
Tinnevelly	1	* ..	5	107	5	785	6	57	..	..	8	2,556
Total, Southern Circle	6	90	30	10,437	9	875	39	4,984	..	..	8	2,556
Total, Presidency	24	2,804	63	17,614	18	1,088	83	15,797	1	5	10	2,559
Total for 1903–1904	29	4,258	92	49,510	201	32,153	152	41,735	4	1,330	2	7

* Below one acre. † Crossed the Mysore frontier which was not fire traced. ‡ Reported to be not known.

Division or Circle.	C. Fires beginning inside the reserves or fire-traced areas—*cont.*										Total of A, B and C.	
	By intentional firing.								Causes unknown.			
	In order to obtain new grass.		In order to turn out game or to reduce cover.		Maliciously fired.		Total.					
	Number of fires.	Area burnt in acres.	Number of fires.	Area burnt in acres.	Number of fires.	Area burnt in acres.	Number of fires.	Area burnt in acres.	Number of fires.	Area burnt in acres.	Number of fires.	Area burnt in acres.
	14	15	16	17	18	19	20	21	22	23	24	25
Northern Circle.												
Ganjám	..	..	..	..	4	88	5	108	..	..	5	‡ 108
Vizagapatam	..	..	..	..	2	649	8	754	2	44	11	800
Gódávari	..	..	..	..	2	300	11	536	15	2,655	42	7,604
Kistna	..	..	..	..	..	..	..	..	3	1,701	3	1,701
Guntúr	..	..	..	..	..	..	4	81	..	..	4	81
Kurnool, East	..	..	..	..	1	20	1	20	6	2,020	7	‡ 2,040
Do. West	..	..	..	..	1	40	1	40	..	..	1	40
Bellary	..	..	..	..	..	..	1	..	64	85,023	65	85,023
Anantapur	12	1,672	2	6	..	..	15	1,758	7	753	30	4,776
Total, Northern Circle ..	12	1,672	2	6	10	1,097	46	3,297	97	92,196	168	102,173
Central Circle.												
Cuddapah	6	1,433	..	..	5	3,067	12	4,540	75	20,240	89	25,316
Nellore	..	..	..	..	1	* ..	2	30	1	4	6	40
Chingleput	..	..	..	..	..	..	..	..	2	† ..	2	..
North Arcot	114	7,919	..	..	6	782	141	9,733	15	970	172	13,288
South do.	..	..	..	..	10	474	13	1,040	33	7,091	49	8,163
North Salem	1	450	..	..	..	..	8	9,289	37	2,356	47	11,697
South do.	14	429	..	..	..	..	15	434	31	1,933	46	2,367
Trichinopoly	..	..	..	..	..	..	..	..	5	45	5	45
Tanjore	..	..	..	..	..	..	..	..	2	1	2	1
Total, Central Circle ..	135	10,231	..	..	22	4,323	191	25,066	201	32,640	418	60,917
Southern Circle.												
South Canara	5	541	5	91	15	4,085	45	5,489	26	8,809	75	14,368
North Malabar	..	..	..	..	6	2,000	11	5,198	1	500	13	5,878
South do.	..	..	..	..	..	..	3	30	1	3	8	56
The Nilgiris	..	..	..	..	..	..	1	100	..	..	1	100
North Coimbatore ..	..	..	..	..	6	278	7	1,047	52	17,513	64	26,157
South do. ..	16	1,160	2	98	..	..	22	1,351	1	3	29	2,934
Madura	3	65	..	..	5	270	11	390	9	922	30	2,282
Tinnevelly	16	4,375	..	..	5	840	40	8,613	5	3,290	51	12,010
Total, Southern Circle ..	40	6,141	7	189	37	7,473	140	22,218	95	31,040	271	63,785
Total, Presidency ..	187	18,044	9	195	69	12,893	377	50,581	393	155,876	857	226,875
Total for 1903–1904 ..	170	46,330	28	16,486	80	24,807	636	162,848	445	289,050	1,203	505,666

* Below one acre.

† No injury is reported to have been done to the forests beyond burning the grass thereon over a strip of a few yards.

‡ Area of protected forests burnt.

The total number of fires as well as area burnt is much less than in the previous year. Under fires caused by accident or through carelessness in burning fire lines, a large number occurred in *Gódávari*, due to fire crossing lines when being burnt said to be caused by high winds and carelessness of subordinates. In *Anantapur* a comparatively

large area (2,000 acres) was burnt by a single fire, and this is attributed to the imperfect state of the fire lines. The fires which entered the forests by crossing exterior fire lines were comparatively small with reference to the number and area burnt. For the first time for many years a fire occurred in the teak plantations, *South Malabar*. The area burnt was only 7 acres in one of the oldest plantations, but the trees must have been subjected to considerable shock.

The number of fires inside the reserve or fire-traced areas due to carelessness or accident was also considerably less than in the previous year. This is specially noticeable in the *Northern Circle* where it fell from 228 to 22. But there was a marked increase in the number of fires caused by lightning in *Tinnevelly* where the months of March, April and May were particularly hot and dry and where eight fires were attributed after careful inquiry to the above cause. In *South Arcot* a fire occurred in the Kalroyan Hills which burnt 566 acres and was caused by a bamboo-cutter throwing away a lighted cheroot. In *North Salem*, special fire protection was not so successful as in the previous year which was due to the whole of Manchi specially protected block being burnt. There was a slight increase in the number of fires caused intentionally to obtain fresh grass due to graziers in *North Arcot*, while the area burnt was considerably less. Double the grazing fees were collected during the year for grazing in certain reserves of this district as a punishment for incendiary fires. But the number of fires caused maliciously or to turn out game fell from 108 to 78, as also the area from 41,293 to 13,088 acres. This decrease is partly attributed to the prohibition of all hunting in reserves in *Anantapur* usually allowed on the Telugu New year's day and partly to less grass.

There was a reduction in the total number of fires due to causes unknown as also in the areas burnt, noticeable mainly in *Anantapur* and *North Coimbatore*. In *South Arcot*, where the number of fires under this head rose from 8 to 33, 23 occurred in Tenmalais between the 26th February and 24th March when the District Forest-officer was himself on those hills. In regard to this, the Collector reports that although immediate action was taken with all the staff available, no clue to the offenders could be found in any of these cases. But it certainly seemed that some detrimental and persistent agency was at work and there was a rumour that a certain Irula, a fugitive from the Police for serious crime, was living in the forests and starting the fires. This man was caught by the Forest subordinates after the close of the year. Although complete information as to this man's connection with the fires is not available, it is believed that he was the cause of most of them. It is also, however, quite possible that some were lighted for the sake of grazing.

(*c*) *Protection from Cattle.*

20. The areas open and closed to grazing in each district are shown in Form No. 52 and the number and kind of animals grazed free or on payment of fees in the reserved forests and lands are noted in Form No. 53. The area closed to all animals during the whole year was 1,621 square miles against 1,696 square miles in the previous year and that for a portion of the year 89 square miles against 191 square miles in 1903–1904. The percentages of forests open to grazing and browsing to the whole area are 89·4 per cent. and 4·3 per cent. respectively.

Goats were excluded from all reserves in *Ganjám*, *Vizagapatam*, *Gódávari*, *Kurnool East*, *Anantapur*, *South Arcot*, *Tanjore* and *Trichinopoly*, and in all the districts in the *Southern Circle* excepting *South Malabar* and *Madura*. In *Chingleput*, the Royal Artillery Range of the Kolathur reserved forest where goat-browsing was permitted in previous years to keep down the growth was not browsed during the year, as no permits were purchased owing to the poverty of the growth. The rate of As. 12 per goat in *North Arcot* being in force during the year under report as well as in the previous year, goats did not resort to the forests. In *North Salem*, goats were excluded from all reserves in the Tiruppattúr range. In Dharmapuri and Hosúr ranges, portions of reserves, aggregating in all 58 square miles, were open to browsing. Seven square miles of reserved forests were similarly open in the *Salem* East Range of *South Salem* district, the unreserved wastes elsewhere being found sufficient for goat fodder.

21. The following table gives an analysis of the cattle impounded during this and the previous year with the average for the three years preceding :—

Districts.	From open forests.		From closed forests.				Total.		Average for the three years ending 1903–1904.
			Holding permits for open forests.	Having no permits.	Holding permits for open forests.	Having no permits.			
	1903–1904	1904–1905.	1903–1904.	1903–1904.	1904–1905.	1904–1905.	1903–1904.	1904–1905.	
Northern Circle.									
Ganjám ..	565	225	..	3,060	..	1,838	3,625	2,063	3,326
Vizagapatam ..	2,532	3,205	..	..	..	..	2,532	3,205	3,525
Gódávari ..	3,084	1,739	..	430	..	22	3,514	1,761	4,202
Kistna } (*b*) ..	221	2,840	922	845	488	1,517	1,988	4,845	26,933
Guntúr } (*b*) ..	3,539	4,414	549	4,717	1,216	2,189	8,805	7,819	
Kurnool, East ..	25,718	18,564	..	1,772	..	652	27,490	19,216	29,710
Do. West ..		17,503				328		17,831	
Bellary ..	22,545	12,318	..	1,283	..	63	23,828	12,381	16,488
Anantapur ..	19,110	8,208	..	2,039	103	1,717	21,149	10,028	18,933
Total, Northern Circle ..	77,314	69,016	1,471	14,146	1,807	8,326	92,931	79,149	103,117
Central Circle.									
Cuddapah ..	(*a*) 14,964	13,551	..	17,094	..	7,771	32,058	21,322	53,708
Nellore ..	19,526	10,047	..	10,774	1,233	14,451	30,300	25,731	46,599
Chingleput ..	4,534	4,771	244	480	376	428	5,258	5,575	5,505
North Arcot ..	10,463	16,003	99	9,817	997	6,483	20,379	23,483	40,634
South ,, ..	(*a*) 34,495	21,797	(*a*) 157	(*a*) 494	59	449	35,146	22,305	56,796
North Salem ..	3,765	2,914	..	4,802	242	2,975	8,567	6,131	10,057
South ,, ..	7,402	6,495	113	604	235	1,174	8,119	7,904	12,118
Trichinopoly ..	5,604	3,833	..	499	..	400	6,103	4,233	13,031
Tanjore ..	962	261	..	79	..	24	1,041	285	1,064
Total, Central Circle ..	101,715	79,672	613	44,643	3,142	34,155	146,971	116,969	239,512
Southern Circle.									
South Canara ..	1,054	1,371	..	(*a*) 101	..	77	1,155	1,448	1,162
North Malabar ..	232	156	..	13	..	9	245	165	102
South ,,	..	..	..	80	..	39	80	39	44
The Nilgiris ..	557	146	130	61	387	11	748	544	919
North Coimbatore	5,067	7,314	..	1,196	..	1,575	6,263	8,889	5,979
South ,,	2,852	2,291	37	251	..	47	3,140	2,338	3,553
Madura ..	18,924	11,544	..	..	..	2,560	18,924	14,104	12,031
Tinnevelly ..	932	1,535	738	3,606	191	2,951	5,326	4,677	4,150
Total, Southern Circle ..	29,618	24,357	955	5,308	578	7,269	35,881	32,204	27,942
Grand Total, Presidency ..	208,647	173,045	3,039	64,097	5,527	49,750	275,783	228,322	370,571

(*a*) Revised figures.

(*b*) The discrepancy between the closing balance of the previous year and the opening balance for the year under report has not been explained.

The number of animals of all classes impounded during the year was 228,322 against 275,783 in the previous year, and 370,571, the average of the previous three years. The decrease is noticeable chiefly in *Bellary*, *Anantapur*, *Cuddapah* and *South Arcot*. The fall was due to the increased number of cattle licensed during the year in *Bellary* and *Cuddapah*, and to the deterrent effect of high compounding fees in the latter district, to the probable connivance of forest subordinates in *Anantapur* in

impounding only a portion of the herds that illicitly grazed, and to the drought which affected the number of animals in *South Arcot* which would otherwise resort to the forests. In this district, as well as in Cuddapah, higher compounding fees for goats had a deterrent effect. There was a marked increase in the number of animals impounded in *Kurnool East* and *West* and this is due to the division of the district into two charges and the consequent increased supervision over the forests. Steps were taken to capture the semi-wild cattle which browse on the coppice shoots in the Sríharikóta forests, *Nellore*, 472 animals in all were caught and impounded with the aid of professional cattle-catchers.

(d) Protection against Injuries from Natural Causes.

22. *Northern Circle.*—In *Ganjám* the root fungus disease in Agastinowgam plantation mentioned last year was finally identified by Dr. Butler as *Trichosporium vesiculosum.* Affected trees were being felled and rooted up to check the spread of this disease and of the borer *arbela teraorius.* To permanently save the plantation, various kinds of broad leaved trees are being introduced experimentally with the hope of finding some species immune to both the pests. In *Gódávari* the *xylia* is reported to be attacked by a beetle during the hot weather and efforts are being made to procure specimens of the insect. A specimen of a caterpillar found on the xylia since the burst of the monsoon will be sent for identification. Teak leaves were found during the rains to be riddled by some caterpillars which were identified by Mr. Stebbing as one of the Jassids. This insect was forming small galls on the upper and the under surface of the leaf riddling the leaf structure. In *Kistna*, considerable damage was caused to the casuarina plants in Gopavanipalem reserve by a borer which tunnels under the soil and cuts the plants just below the collar. Their presence is traceable to the thick layer of needles that remain on the ground, when the coupes are clear felled.

Central Circle.—In *Cuddapah*, a mole, 350 cubic feet, was constructed to protect the Kodur plantation from being washed away by the river. A caterpillar defoliated the satinwood in some reserves of Kadiri and was identified as *Papilis Erychthomeus* by the Rev. D. Campbell of the London Mission of Jammalamadugu. In Pullampet the commercially valuable galls of *Terminalia chebula* were not collected to their usual extent owing to the Seshachallam plateau being mostly unburnt; *Pterocarpus santalinus*, *Hardwickia binata*, *Anogeissus latifolia* and *Albizzia odoratissima* were slightly attacked by an insect called *Bazinikka.* In *Nellore*, the borer *arbela teraorius* was present in the casuarina plantation, but had done only comparatively little damage. A more serious matter was the appearance, as in *Ganjám*, of the root fungus disease identified by Dr. Butler as *Trichosporium vesiculosum.* The damage done during the year under report was very great and the disease apparently continues to spread. Sample plots are being placed under observation with a view to determine the percentage of mortality and rate of progress of the disease. It appears, however, doubtful whether the damage is to be attributed altogether to this particular disease or to the prevailing drought; for, copious watering seems to revive the apparently diseased trees though some of the symptoms described by Dr. Butler are present. It is also observed that the disease attacks only young and weak trees. Though it may not be possible to eradicate the disease, the blocks in which trees have died will be cleared. In *South Arcot*, the casuarina plantations were as usual infected with bark eating borers but no appreciable damage was done. But there was an increase in the death of casuarina trees due to root fungus, and as a defence against its spread, prompt felling, careful extraction of roots and removal of diseased trees and digging of trenches around affected patches had been prescribed. In *South Salem*, the further experiments to eradicate prickly-pear by grafting diseased ones on to the healthy ones growing in the Shevaroys ghat road proved a failure. A grub attacked borasu (*Chloroxylon Swietenia*) trees in Harur South Range and was forwarded to Mr. E. P. Stebbing for identification. Climbers and creepers affecting standard trees and sandalwood trees on the Chitteris, Pachamalais and Kollimalais were cut by the subordinates. In *Tanjore*, the trees in the Tirumallavasal casuarina plantation were partly attacked by insects, creepers and parasites, the two latter were partially cleared by the Forest Subordinates.

Southern Circle.—In *South Canara*, specimens of pupæ of a larva attacking teak in the Parappa plantation were sent to the Government Entomologist and identified by him as *Pyrausta Machœralis*. About 50 trees at Tannirbhavi casuarina plantation were uprooted by the erosion of the sea. In *North Coimbatore* the now-well-known sandal disease termed "spike" was prevalent and all attacked trees were immediately removed. In *North Malabar* nothing was done to check the growth of the lantana. In *South Malabar*, three prominent teak pests were noticed, viz. (1) locusts, (2) *Hyblaea puera* and (3) *Pyrausta Machœralis*. An unknown species of caterpillar was also observed. Several acres were cleared of parasites. Mahogany borers were still prevalent and affected branches were cut. Some damage was also caused by the floods.

4. Sylviculture.

(*a*) *Natural Reproduction.*

23. *Northern Circle.*—In *Ganjám*, the sâl seeded with extraordinary vigour owing to the absence of fires and to the occurrence of some rains during the hot weather. Reproduction by seeds and from coppice was very vigorous, the coppice growth in 1903–1904 coupes reaching in places a height of 15 feet. In *Vizagapatam*, reproduction from seed especially of *Terminalia tomentosa* was satisfactory in Golgonda and a good crop of sâl was found in Palkonda Range. Reproduction from seed of teak, sâl and *Pterocarpus Marsupium* was also observed in the Chinnamangalapuram tope. Coppice reproduction was satisfactory throughout, especially in Antikonda, the shoots of *Terminalia tomentosa*, being in places about 15 feet in height. *Cleistanthus collinus* is found to throw out the most vigorous shoots during the first year and the *Terminalias* and *Cassia* during the second. In *Gódávari*, there was good reproduction in protected areas. Several of the previous year's mangrove seedlings however died for want of rains and many of the teak seeds were blown away during the severe cyclone of October. In *Kistna*, the important species reproduced themselves well from seed, and there was marked reproduction of bamboos by the spreading of culms in Kondapalli, Kondur and Kothur reserves. Coppice reproduction was vigorous especially in Kondapalli where the shoots were 12 feet in height and 9 inches in girth in 1901 compartment and 3′ to 5′ in height in subsequent years' compartments. In *Guntúr*, the reproduction from seeds of *Melia indica*, soapnut, *Hardwickia binata*, sundra and *Anogeissus* was satisfactory, though perhaps sundra depends mostly on reproduction from rootsuckers. Mangrove reproduction was abundant along the salt creeks and the seedlings showed on measurement an increase in growth of $\frac{1}{10}$″ to nearly 1″ for 8 months. Reproduction by coppice in babul areas was good throughout and rootsucker reproduction was observed in the better soils. In cut coupes the reproduction was mostly of inferior species, the sowings of the better species ordered in these coupes having been disregarded or having come to nothing. The dryness of the season, though it did not favour the reproduction of yepi (*Hardwickia binata*) in Palnad and Vinukonda, prevented fires and safeguarded the reproduction of previous years. In *Kurnool East*, owing to the prolonged and severe hot weather the seeding of teak, *Pterocarpus Marsupium* and *Dalbergia latifolia* was very unsatisfactory, the fruits having dried up before the seeds were fully developed. *Hardwickia binata* was the only species that seeded profusely. In protected areas such as the felled coupes reproduction by seed of previous year of *Pterocarpus Marsupium*. (*Terminalia tomentosa*) blackwood, *Anogeissus* and *Hardwickia binata* was satisfactory. Rootsuckers of blackwood and teak were also promising. Teak seedlings came up well in favourable localities. In moist soils in Cumbum reserve blackwood seedlings throve and young bamboo took the place of valuable timber species. *Hardwickia binata* reproduction by seed was most satisfactory in open ground. Coppice reproduction in felled coupes in the Railway working circle was very promising despite the intense heat of the summer. In *Kurnool west*, seedling reproduction was unsatisfactory owing to fires and scarcity of rains but in Nandyal range *Hardwickia binata* seeded very profusely. Reproduction by coppice was good in Yerramalai coupes and excellent in the recently felled Honkaram coupe. In *Bellary*, the natural reproduction was good in Sandur leased forests, Rayadrug and Mallapuram reserves. Seedlings in the specially protected *Hardwickia binata* blocks came up well and the growth of bamboos in Rayadrug showed a marked improvement. There was little seedling

reproduction elsewhere owing to excessive grazing and the dry nature of the soil. Coppice reproduction was good in protected areas *Hardwickia binata* and *Acacia* showing the best reproduction. In *Anantapur*, reproduction was poor owing to short rainfall.

Central Circle.—In *Cuddapah*, nearly all deciduous species coppiced well, more especially *Premna tomentosa* in the Kadiri fuel coupes. *Hardwickia* seedlings were numerous where the grass was not thick on shales but were grazed down for the most part. Reproduction by seed on drier areas was impossible, while in damper places the seedlings escaped fire. Teak reproduction was good in the Seshachellam upper valley in alluvial soil occasionally flooded. In *Nellore*, reproduction from coppice was generally satisfactory except in portions of Nellore coupes and of Sriharikota. Certain blocks in the Veligondas were set apart for natural reproduction from seed but it is too soon yet to judge definitely of the result. In *Chingleput*, the failure of the rains materially affected natural reproduction from seed. In *North Arcot*, in all fire protected blocks closed to grazing and in sheltered localities on the Javadis seedlings of Chloroxylon *swietenia*, *Terminalia tomentosa*, and *Arjuna*, *Anogeissus latifolia*, *Hardwickia binata*, *Pterocarpus Marsupium* and *Sandal* and *Albizzia odoratissima* were thriving well. Reproduction by coppice was fair, especially of sandal in parts of Palmaner plantation. Owing to complete exclusion of goats, many barren tracts had begun to reclothe themselves with inferior thorny shrubs the natural nurses of the tree species. In *South Arcot*, seedlings were scarcer than usual owing to drought. *Dodonœa viscosa* established itself in bare and even more stony places than usual. Plantations of cashew (*Anacardium occidentale*) produced a few purely self sown seedlings. Coppice reproduction was generally satisfactory though the growth was slower than usual owing to drought. *Albizzia amara* on deep pure laterite soil gave remarkably fine shoots and *Cassia siamea* also showed a remarkably fine growth. Cashew coppice was unsuccessful; but it occasionally reproduced itself by layers. In *North Salem*, reproduction by seed was generally satisfactory in the case of *Hardwickia binata*, *Anogeissus latifolia*, *Chloroxylon swietenia*, *Acacia sundra*, *Pterocarpus Marsupium*, *Albizzia odoratissima*, *Chickrassia tabularis* and *Santalum album*. Teak seedlings were observed in parts of Dharmapuri Range. Coppice reproduction of *Albizzia amara*, *Chloroxylon swietenia*, *Premna tomentosa*, *Canthium didymum*, *Melia indica and Albizzia Lebbek* was satisfactory. *Hardwickia binata* did not reproduce itself from stools. In *South Salem* reproduction from seed was poor owing to absence of rain but coppice reproduction was fair in the case of *Albizzia amara* and *odoratissima*, *Prosopis spicigera*, *Lebedieropsis orbicularis*, tamarind and sandal. The fires in Shevaroys South Working Circle damaged young seedlings and coppice shoots however. In *Tanjore*, reproduction by seed was not satisfactory owing to the failure of the monsoon which affected the existing seedlings and other trees also. *Memecylon edule* reproduced itself well from coppice and there was a good growth of that species in Vattangudi as mentioned last year. In *Trichinopoly*, coppice reproduction of *Inga dulcis* *Acacia arabica*, *Cassia florida*, satinwood, *Memecylon* and *Albizzia amara* was satisfactory and reproduction by seed was also fair. Some self-sown seedlings of *Acacia arabica* were noticed in the Pachamalais where protection against fire and cattle generally aided reproduction.

Southern Circle.—In *South Canara*, seedling reproduction was fair but suffered from heavy fires and drought. Coppice reproduction was good despite the long dry season. In *North Malabar*, reproduction was good in Begur and Chedleth ranges where there is a good growth of second class teak trees, though this tree in the sapling stage is markedly wanting in the standing crop. In *South Malabar*, the girdled trees of previous year in Pokode died and wherever irul (*Xylia dolabriformis*) were found a few seedlings came up underneath but generally the regeneration is disappointing. Over two acres in Eddacode plantation, natural reproduction of *Hopea parviflora* from seed occurred. Natural reproduction by seed in all the forests of this district is reported satisfactory while coppice shoots in the coupes cut for Railway fuel in Palghat range is also good. In the *Nilgiris*, seedling reproduction was good in protected areas while in unprotected localities the seedlings were mostly killed by fire. Coppice growth was excellent in portions of Mudumalai where improvement fellings had been made. Natural reproduction was good in the sholas on the plateau but poor on the slopes.

owing to constant fires. In *North Coimbatore*, sandal reproduction from seed and from root-suckers was fairly abundant, the seedlings thriving only under the shelter of undergrowth, as elsewhere they suffered from exposure to sun, trampling of cattle and grazing. Reproduction from coppice was poor in Bennari coupes owing probably to the very dry season. In *South Coimbatore*, teak, venteak and rosewood, etc., reproduced themselves well from seed in the Tekadi forests but the marked absence of the pole and sapling, stage of growth is noticeable as an unsatisfactory feature in these forests. The seedlings that establish themselves occur, in open parts of the forests, which indicates suppression as the cause of absence of seedlings elsewhere and proposals to undertake special fellings for the regeneration of the more valuable species are under consideration. Reproduction from seed was satisfactory elsewhere where it escapes fire and grazing. In *Madura*, reproduction from seed was good in the unworked evergreen forests, while coppice reproduction of *Albizzia amara* was satisfactory in the coupes under special protection. In *Tinnevelly*, natural reproduction suffered as the year was very hot and dry. Regeneration was good over specially protected areas, while in the generally protected ones there was no regeneration, the areas being required to meet grazing requirements and being but thinly stocked were probably over grazed. Regeneration from seed continued good in evergreen forests. Reproduction from coppice was good everywhere in the working circles with the exception of the unreserved babul areas where the *Acacia arabica* did not reproduce itself well from stools though producing freely from seed, every single seedling was destroyed by goats. In one babul area which is a reserved forest however natural reproduction from seed was most successful owing to closure from grazing and absence of the goat. The Collector reports that the situation caused by the absence of regeneration is so grave that the Conservator has been addressed with a view to holding in abeyance by suitably modifying the working plans providing for fuel requirements in the plain ranges where the want of fuel is very keenly felt.

(*b*) *Artificial Reproduction.*

24. The areas under plantations and topes or subjected to cultural operations as well as the cost incurred are given in Form No. 54.

Regular plantations.—In the coast casuarina plantation in *Ganjám*, young *Melia indica* trees interplanted with casuarina did particularly well, but *portia* and *sissoo* similarly treated showed less satisfactory results. Mahogany seeds sown in Narasapatam nursery, *Vizagapatam*, germinated well and seedlings of *Divi divi*, *Terminalia Chebula*, etc., raised there were planted out in the working circle. In *Gódavari*, casuarina was planted in Bendamurlanka and in Kandikuppa plantations over areas of 43 and 38 acres respectively. In *Kistna*, besides the maintenance of the usual nurseries, 18 and 16 acres in Gopuvanipalam and Kanukollu reserves respectively were planted with casuarina and the casualties are reported to be about 15 per cent. Sissoo was planted in 100 and 14 acres respectively in Kanukollu and Malleswaram reserves and the casualties numbered about 11 per cent. and 50 per cent. the large percentage in the latter being due to the water in many of the wells turning brackish. Teak, mahogany, soapnut, tamarind and red-sanders throve in Bezwada reserve while margosa and *Albizzia Lebbek* planted in Bezwada and Jaggarayapet extension blocks did well for a time many casualties occurring later owing to continued drought. In *Guntur*, 70 acres in Bapatla range were planted with *Dalbergia sissoo* and the growth is said to vary from moderate to fair according to the soil. The protection afforded to old sissoo plantations in the Bápatla reserve enabled a vigorous growth from root-suckers to assert itself. In *Bellary*, the previous year's plants and the new plantings in Kuppagal and Tungabhadra plantations are doing well. The nursery near Chickanahalli was in a flourising condition. A nursery was formed in the Collector's office compound containing mango, tamarind, neem, divi divi, mahogany, etc., and seedlings from it were supplied to the jail, Public Works Department and the public. In *Nellore*, 359 acres were planted with casuarina in the coast range The absence of rain as well as the root fungus disease, however, injuriously affected some of the 3 to 5 years' old plantations where the mortality was so heavy as to necessitate replanting. Thirteen acres of Kollurpad plantation were planted up with mahogany and other valuable kinds of timber-producing trees, and casuarina was introduced throughout

as a nurse. The adverse season affected the growth of the young plants which have however been kept alive. In *Chingleput*, 50 per cent. of *divi divi* in Maiyur plantation were doing well but the mango transplants failed. In *South Arcot*, 62·87 acres in Cuddalore coast plantations were planted with casuarina, but the planting in 14 acres failed owing to continued drought. Some seeds were got from Messrs. Minchin & Co., Gopalpur, and sown, but no difference was observed between plants derived from them and those from local seeds. In *North Salem*, the sandal seedlings planted in the Andiappanur rest-house compound and referred to in the previous year's report have all died. They were replaced by graft mango plants which are thriving well. In *South Salem*, a nursery was opened in Shevaroys Central Working Circle and over 24,000 silver oak seedlings were produced, 15,000 pits were dug and transplanting commenced. An experimental nursery garden was opened at Hastampatti and seedlings of various species, exotic and indigenous, were raised. In *Tanjore*, about 63,000 casuarina plants were planted in North and South plantations and previous years' plants were maintained. In *South Canara*, the growth in the Parappa and Tannirbhavi plantations was fair. Thirty-eight acres in Begur range were planted with teak and the plants are reported to be doing well. In Chedleth range 100 acres were similarly planted and the growth is said to be more promising than in previous years owing to the absence of lantana and rank grass. In *South Malabar*, 55 acres in Karimpaya were planted with teak and 5 with *Swietenia macrophylla*, thus completing the 1904 area to be planted as per working plan,. One hundred and thirty-five acres of the area appertaining to 1905 were prepared for planting and 11½ acres actually planted before the close of the year, leaving the remainder to be completed in July. In *Tinnevelly*, small plantations of casuarina, mahogany and bamboos were formed in Valliyur reserve and 2,628 casuarina and 435 mahogany were put out and are thriving. Bamboos were planted in Kaliavur and Nángunéri reserves with only moderate success however.

Taungya plantations.—Twenty-five acres were sown with teak in Pegha reserve, Marrigudem range, *Gódávari*. In *South Canara*, as usual, passes were issued to the Mahraties, a hill tribe, who kumaried 380 acres and collected seeds of teak, *Terminalia tomentosa* and *Pterocarpus Marsupium* which were sown in the areas cleared by them. Of the seedlings put out in the previous year, 19,000 survive. During the year under report seeds were sown at stake instead of in a nursery as in the previous year. In *North Malabar*, 50 acres in Kanoth range were planted with *Ficus elastica*, the cuttings being put out free of cost by Kurichers in land cleared by them for ponam cultivation. About 5,000 plants survive.

Cultural operations.—In *Gódávari*, bamboo seeds were sown broadcast on the banks of Pedavagu in Tuniki cheruvu reserve with satisfactory results. Planting of several species in a small area in Coringa reserve met with little success owing to the failure of the monsoon. Mangrove seeds were also sown in about 200 acres of the same reserve. In *Guntúr*, date seeds were largely sown in different parts. Fifty per cent. germinated but died owing to late sowing and severe drought. A similar fate attended the sowing of margosa seeds in 20 acres in Muthayapalem reserve and of palmyra seeds along boundary lines. Rattan roots planted in 1903–1904 all died, as the site selected was not suitable; but out of 1,000 planted on the banks of ponds or swamps, about a fourth are living. In *Kurnool West*, one year old edible date seedlings raised in pots were planted in Veldurti reserve, but did not survive the hot weather. 33·35 acres in the same reserve were sown with babul seed which did not germinate owing to the unfavourable season. The seedlings in other coupes of Kurnool range were doing well. In the coupes at Honkaram, Bairluti, Narayanapuram, Velgode, etc., seeds were sown in shallow pits and were doing excellently in Bairluti. This has led to a proposal for more extended operations in the direction at water centres with the double object of re-afforesting and the employment of a large number of Chenchus the whole year round. In *Anantapur*, sowings of *Santalum album* in Kothakota proved a failure for want of rains and seeds for areas to be regenerated artificially as per working plan were sown and germinated well. In *Cuddapah*, the palmyra seeds sown in Kamesvaram and Vedurur reserved forests germinated, but 50 per cent. died and the remainder were partially buried by sand drift. In *Nellore*, *Melia indica* seeds were sown broadcast in compartments one and two

of Nellore Working Plan, but did not germinate owing to absence of rain. About 106,000 palmyra seeds were sown in some reserves, but only a third germinated, the absence of rain accounting for the unsatisfactory result. In *Chingleput*, date and palm seeds sown in previous year were doing well, but those sown during the year failed owing to want of rain. Seeds of manure leaf yielding plants were dibbled in or sown broadcast and may germinate if sufficient rains fall. In *North Arcot*, sandal seeds were sown in Palmanér tope with fair results. In Chittoor and Vellore Ranges seeds of manure leaf yielding species were sown in blanks of reserves, but did not germinate for want of rain. Four nurseries in Vellore and one in Chittoor were started for raising seedlings and one at Reddigunta was abandoned. In *South Arcot*, an attempt was made to start the planting of blanks in the flat scrub forests by means of cuttings. The experiment was however a failure owing to the drought. The weaker mahogany seedlings in Muttukadu put out in 1903 died, as also the *Swietenia Macrophylla* in two reserves in Kallakurchi planted in the same year. In Tindivanam some self-sown *Pterocarpus santalinus* seedlings were put out, but most of them died. A start was made to systematically sow seeds of palmyra, tamarind, etc., in Tiruvannámalai coupes but the result was unsatisfactory. In the unworked part of Nochikadu casuarina plantation two acres were sown with palmyra, neem and cashew. Palmyra and cashew germinated well but neem failed owing to the bad quality of the seed. In *North Salem*, sandal seeds were dibbled under bushes in Naganur and are flourishing. Seeds of *Hardwickia binata* and *Pterocarpus Marsupium* were sown in some reserves, but did not come up well. Some *Anogeissus latifolia*, *Chloroxylon swietenia* and *Shorea Talura* seeds sown in blanks did not germinate owing to drought. In *South Salem*, the graft mangoes in Mallapuram bungalow were thriving. The sowing of seeds of *Pterocarpus santalinus*, *Albizzia Lebbek*, *Anogeissus latifolia*, *Prosopis spicigera*, etc., in felled coupes proved a failure. In *Tanjore*, the previous year's palmyra, cashew and mango seedlings were thriving. In *Trichinopoly*, tamarind and *Bassia longifolia* seedlings of previous year were thriving and 50 tamarind plants were planted on both sides of the Sogapuram-Sengattupatti ghat road. *Hopea* seed was dibbled in near streams, etc., in Puthur range, *South Canara*, but failed, partly owing to the long drought. In *South Malabar*, 901 *Pterocarpus Marsupium* and 847 *Hopea parviflora* were put out on the margin of streams and 223 *Swietenia macrophylla* on road sides as avenue trees. 27½ acres in Eddacode were replanted with *Swietenia macrophylla*, *Dalbergia latifolia*, *Hopea parviflora* and blanks in Iravillicava were filled up. Plants of the above and other species were put out in Nilambur Range in areas partly coppiced in 1903–1904. About 5 acres in Beypore tope were planted with cocoanut trees. In *North Coimbatore*, an attempt was made on a small scale to secure seedlings by the ridge system of sowing in the Sullipalaiyam reserve, but owing to complete failure of the monsoon the result was inconclusive and a further trial is to be made. In *Madura*, fifteen blocks of unreserved lands aggregating 2,268 acres were selected and reserved during the year to extend artificial cultivation of manure leaf yielding shrubs for the benefit of holders of land in Madura taluk irrigated by the Periyár. 65 acres in two blocks were put under cultivation during the year and the seedlings are said to be thriving well. In *Tinnevelly*, teak, *Pterocarpus Marsupium* and other seeds were dibbled in a portion of Velliyur reserve and Gangaikondan reserve, but failed owing to absence of rain. The usual operations for reclaiming the sandy waste called Teri were made and previous years' casualties replaced, but the success of the operation was much interfered with by the extraordinary dryness of the last two seasons; a marked advance was however made in reclaiming the shifting sand of which the reserve is composed. A large area of evergreen forest on steep hill slopes in Ambásamudram cut down by a local hill tribe called Kanis was planted up with indigenous shola species and the regeneration was reported successful.

(*c*) *Operations for the Improvement of Growing Stock.*

25. *Northern Circle.*—Improvement fellings were made in Kurcholi reserve in *Ganjám*, in Pegha reserve in *Gódávari*, and in the Nallamalais in *Kurnool East* and *West*. Creeper cutting was as usual effected by the subordinates throughout *Gódávari* except in the delta range. In *Guntúr*, coupes were fenced, stumps cut flush, standards selected and babul standards pruned.

Central Circle.—In *Cuddapah*, thinnings and creeper cutting were made in Kodur plantation and in coupes leased out in Pullampet. Girdling of large spreading *Terminalia belerica* trees and cutting of creepers on teak and redwood trees were also carried out. In *Nellore*, pruning of casuarina poles was carried on in the plantations. In *Chingleput*, weeding and cutting of creepers were done in felled areas. In *North Arcot*, prickly-pear was removed in certain plantations in the Vellore range, and the cutting of creepers affecting the standards in the felled coupes, the red sanders in Mamandur forests and the sandal trees on the Javadis was also carried out. In *South Arcot*, thinnings were undertaken in Fort St. David Plantation. In *North Salem*, creepers were cut in all the felled coupes. In *South Salem*, hollow, crooked and useless trees were removed under the coppice with standard system and bamboos were systematically felled by contractors. Prickly-pear in Nallur tope was completely eradicated, the hedge maintained and trees protected.

Southern Circle.—In *South Canara*, creepers were cut over 1,000 acres and useless trees in firewood coupes of Coondapoor range were girdled. In *North Malabar*, the weeding of three plantations in three ranges was undertaken. In *South Malabar*, 680 acres of teak plantations were thinned and 16½ acres of mahogany in Iravillicava were pruned. In the plantations already thinned creeper cutting was done. Four plantations were cleared of parasites and weeding was done in the younger plantations of Amarampalem range. In the *Nilgiris*, thinnings were made in the teak plantations at Mudumalai and Benne. The crooked unsound saplings were removed and the upright ones pruned. In *Tinnevelly*, improvement fellings were carried out in Nadugani working circle and creeper cutting in the felled coupes of 1903–1904.

With regard to the question of the arboricultural development of the more important reserves and the provision made for special forest requirements of each district or group of districts referred to in the previous year's report, Collectors do not specifically report on the subject but refer to the operations undertaken under artificial reproduction and cultural operations, from which it will be observed that action is being taken in this direction as far as opportunity and seasons permit. More extended operations of this nature, however, must await completion of working plans and special work, such as survey and settlement, which still take up a considerable portion of the establishment's time in some districts.

(*d*) *Experiments.*

26. The results of experiments made with exotics and other plants are given below:—

Agave ixtle.—The 103 plants in the Palmanér Range in *North Arcot* were doing well, but of the 38 in Palamadi and Kylasagiri reserves 8 died.

Bamboos.—Seeds of *Arundinaria hookeriana* were sown in Weld and Gopuvanipalem reserves in *Kistna*. A fair percentage germinated but died in spite of careful watching. Two clumps of *Bambusa longispathus* planted some years ago near the Uppinangadi travellers' bungalow in *South Canara* now contain about 260 bamboos. Eight young clumps of giant bamboos (*Arundinaria Brandisii*) are in good condition in *South Malabar* where there are also a few clumps of yellow bamboo (*Bambusa vulgaris*) in Iravillicava. *Cephalostachyum pergracile*, *Dendrocalamus longispathus* and *Bambusa longispathus* are well established along river banks in the same district. These bamboos are of inferior strength though they have the advantage of being thornless.

Rubber trees—(*a*) *Landolphia florida.*—The 22 trees in *South Malabar* mentioned in last report are in good condition though somewhat damaged by monkeys.

(*b*) *Ceara*—(*Manihot glaziovii*).—The plants in Chatrapur, *Ganjam*, exist without thriving. A single tree apparently remnant of an abandoned rubber plantation on Kondapalli hill, *Kistna*, has reproduced about 50 plants, all of which are doing well, the climate and other local circumstances of Kondapalli evidently suiting the species. Those put down in Someshwar, *South Canara*, did not germinate, but 4 out of 300 seedlings planted near Alur rest-house were 9 inches high and in good condition. Seeds sown in Kanoth in *North Malabar* did not germinate. In *North Malabar* 2 acres in Kanoth reserve contain well established and large trees which

have been tapped once without results being recorded however. There is another plantation at Manantoddy which has similarly been tapped. The trees in *South Malabar* diminished in number some being blown down by wind, while their natural reproduction was considerably checked by deer and Sambhur. None of the 1304 seeds (Kallar variety) sown in the nursery last year germinated. In the *Nilgiris*, there are 16 well-grown trees in and around Benne nursery and growth from their seed is abundant. Three thousand five hundred and fourteen seedlings were planted in Benne Teak Plantations and station and Mudumalai, but none of the seeds sown in the nursery germinated. An attempt was once more made to introduce the species in *North Coimbatore* but was a failure, only two meagre seedlings surviving in the Range Compound at Satyamangalam. The Ceara rubber trees planted at Mount Stuart in *South Coimbatore* are well established and are bearing seed; natural reproduction from seed is also prevalent. Sowings of this tree at Kodaikánal, *Madura*, proved a failure. A small percentage of seeds sown in *Tinnevelly* germinated. There is a fine specimen of the tree 12′ high.

(*c*) *Ficus elastica.*—The young plants put out in various places in *Ganjam* did well where sheltered from the sea coast wind and sand blow, but died elsewhere. In *Nellore*, the experiment proved a failure in Kollurpad plantation.

(*d*) *Heavea braziliensis* (*Para rubber*).—Seeds failed to germinate in *South Arcot*. Three hundred and twenty plants survive in the nurseries at Someshwar in *South Canara* and are being transplanted. Of 535 seeds sown in Begur, *North Malabar*, 15 germinated and only 3 now survive. In *South Malabar*, 24 trees exist in Iravillicava in good condition. Of the 535 seeds sown, 64 germinated, but owing to the damage done by rats, monkeys and porcupines, only 8 plants survived.

(*e*) *Kicksia africana.*—Only 22 of these exist in *South Malabar*. They show very shrubby growth and are not likely to produce much latex. They were much damaged by a boring caterpillar.

(*f*) *Dichopsis elliptica.*—One hundred and fifteen lbs. of rubber were manufactured from the milk of this plant in *South Coimbatore* at a cost of Rs. 100 and sent to Messrs. Peirce, Leslie & Co., at whose instance the experiment was undertaken.

Date trees.—Last year's plants were doing well in *Gódávari*, but those in *Kistna* perished owing to drought. Of the 60 seeds sown in Atmakur, *Kurnool West*, only twelve germinated and seven are in good condition. The trees in *North Arcot* do not look healthy, while in *Trichinopoly* the surviving plants, about a dozen in number, mentioned in the last report, showed no progress in growth. In *Tanjore*, 132 plants mentioned in last year's report are surviving. *Phœnix acaulis* and *Phœnix sylvestris* are common on the hills in *North Coimbatore*, but an attempt to introduce *Phœnix dactylifera* proved a failure.

Divi Divi.—Last year's seedlings are doing well in Bhadráchalum, *Gódávari*. Some of the plants raised in Sriharikota in *Nellore* in 1903–1904 were transplanted into compartment I of the reserve, but want of rain had told upon them. In the Kilminnel plantation in *North Arcot*, the plants were in excellent condition and yielded ten candies of pods against three in the previous year. It has been proposed to put down plants in all the current year's coupes of the plantations. Last year's seedlings, especially those put down in the compound of Tattakarai bungalow, *North Coimbatore*, have produced a profuse crop of flowers.

Durian plants.—The one plant in *South Malabar* died in November 1904.

Eucalyptus Globulus.—The trees in Venkatagirikota plantation in *North Arcot* continued to thrive well, but those in other plantations made little progress. In *Tinnevelly* this species is thriving and about five of another species presumed to be *Eucalyptus citriodora* are also growing well. Three hundred seedlings were put down at Nadugani bungalow and around the Karuppankoil. Those put down at the former locality did not thrive but those around the latter did well.

Jacquarandus.—Seeds were sown in nurseries and the seedlings look healthy.

Logwood.—The single plant put out four years ago in Kandikuppa plantation in *Gódávari* was growing rather slowly. It is now 10′ in height and 4½″ in girth. Of 50 plants planted last year only 20, 2′ to 4′ in height, survive.

Mahogany.—Two trees about 25' high planted about 1890 in the District Forest-officer's garden, *Ganjám*, and identified by the Conservator to be of this species are growing well. One of them flowered during the year. Seeds sown in Narasapatam nursery, *Vizagapatam*, did not germinate while those sown in Kunavaram, *Gódávari*, germinated and seedlings were being transplanted in Rékapalle hill reserve. Some seeds were sown in pots and baskets in Cumbum and Dornal in *Kurnool East*. The percentage of germination in the Cumbum Range was observed to be much larger in the case of seeds soaked in campher solution than in the case of the rest. Twelve seedlings were transplanted and are doing well; 31 plants in Velgode Range and 8 in Nandyal in *Kurnool West* are in good condition. Of 750 seeds sown in baskets in Petcheruvoo in the Nallamalais, only 32 germinated; 9 of these seedlings died after transplantation, but the rest are very promising. Seeds sown in Kollurpad plantation in *Nellore* have germinated. In *North Arcot*, the trees of the previous year were in fair condition as also some seedlings planted in Chittoor reserve. A further lot of seedlings was raised in nurseries in Chittoor and Vellore Ranges. No seedlings of 1904 were put out in *South Arcot*, the season being so unfavourable. The plants in Muttukadu coupe of 1903 did fairly well, but the drought killed off the weaker ones. A few in other places continued to flourish. The surviving plants in *Tanjore* are thriving. The existing plants in Puttur and Udipi Ranges in *South Canara* are growing fairly well as also 15 new ones put out during the year near the Kombar rest-house. One pound of seeds was sown in *South Malabar* and 134 plants were obtained. In the *Nilgiris* 41 young seedlings were put out in Benne teak plantation and were thriving as also 50 trees in Benne station compound. Of the 325 plants that survived in *South Coimbatore*, 146 died of drought in Walayar and Punachi reserves and the rest are in good condition. The trees in the older plantations in *Tinnevelly* seeded and the seeds germinated in the nursery.

Swietenia macrophylla.—Four hundred and twenty-seven seeds were sown in pots in *Gódávari*, of which 205 germinated and came up well. In *Kistna*, of 1,015 seeds sown in Weld plantation, only 50 germinated and are thriving. Only three plants 4' or 5' high survive in *Guntur*. Of the seedlings planted at Diguvametta, *Kurnool East*, three years ago, 5 died, 4 were attacked by borers and only three are in a healthy condition. In two forests in Kallakurichi, *South Arcot*, the plants mostly died through bad treatment and neglect. The existing plants in Puttur, *South Canara*, are doing well. In *South Malabar*, the big tree in Chathambarai planted in 1873 measures 94' 10" in height and 7' 2½" in girth as against 94' in height and 6' 10" in girth in the previous year. It has not yet flowered. The trees planted in the teak plantations are in good condition in spite of attacks of borer and deer. Of 3,500 plants put out in Walluvasheri and Chathambarai plantations, only 597 survived. Fourteen thousand four hundred and ten seeds produced 10,176 seedlings, of which 8,000 were put out in Eddacode. There are 67 trees in Dhoni growing well. A large percentage of the seedlings planted in Amarampalem Range is doing well. In *Madura*, the plants in Alagar hill reserve and Kanavoipatti rest-house are in good condition. Four hundred and thirty-five seedlings were put out in *Tinnevelly* where a defoliating caterpillar did considerable damage.

Paspalum dilatatum.—The plants in *South Arcot* died. In *South Salem*, it thrives well in the experimental garden at Hastampatti, while in *Trichinopoly*, it did excellently in the Vengur padugai plantation. The grass cut in the latter district weighed 5,425 lbs. and realized Rs. 14-6-0. 40 pounds of seed were collected and are being disposed of at Rs. 2 per pound. The cultivation has proved a success and is being extended during the current year.

Pterocarpus santalinus—Grows on the sandy loam of Chatrapur, *Ganjám*, a remarkable result of somewhat desultory experiments in previous planting. Some 80 self-sown seedlings from trees originally introduced and planted in a tope in *South Arcot* were put out in a forest in Tindivanam range; of which only 40 survive, the rest having died on account of the drought. Seeds were sown in Kurumbapatti reserve and in Shevaroys West Working Circle in *South Salem* but did not germinate for want of rains.

Pterocarpus macrocarpus.—Four of the five specimens in *South Arcot* died.

Peltophorum ferrugineum.—The 24 plants in Vettangudi reserve, *Tanjore*, are doing well.

5. Exploitation.

(a) System of Management.

(i) *Major Forest Produce.*

(1) *Clear or Regeneration Fellings.*

27. *Northern Circle.*—Clear fellings were carried out in coupe II as well as in a portion of coupe I left unfelled in the previous year in Augustinowgam plantation, *Ganjám*, in 7 acres in compartment II-D of Bendamoorlanka plantation and compartment A5 (277 acres) of Kandikuppa Mangrove reserve in *Gódávari*, in 16 acres of coupe 5 of Gopuvanipalem reserve, 20 of Kanukottu and 10 of Venavarappad in *Kistna*, in 15 acres in Wadarevu reserve, *Guntur*, and in compartment II of Kothakota Working Circle, *Anantapur*.

Central Circle.—354 acres of casuarina plantations in *Nellore*, 92 and 97 acres in *South Arcot* and *Tanjore*, respectively, were felled under contract, while in *North Arcot*, 64 acres were worked departmentally for supply to the Jail Department and the public of Vellore. In *North and South Salem*, trees on certain tank-beds were clear felled and removed.

Southern Circle.—1·87 acres of the casuarina plantation at Tanuirbhavi in *South Canara* and 135 acres in coupe II of Karimpoya reserve in *South Malabar* were clear felled.

(2) *Selection Fellings.*

28. *Northern Circle.*—In *Ganjám*, five compartments aggregating 14,200 acres in Galleri and Chendragiri were worked on contract for the removal of dead sâl trees marked by the department. In *Gódávari*, 68 casuarina trees were felled in two compartments of Bendamoorlanka plantation for supply to the Public Works Department. In *Guntúr*, mature casuarina trees were felled in Bápatla reserve, block I. In *Kurnool East and West*, departmental operations were undertaken for the supply of dead timber and agricultural implements to the existing depots and for the construction of a Range office and depot sheds in the latter. In *Anantapur*, 44 tons of fuel were cut in Illur reserve under this system.

Central Circle.—Selection fellings were conducted departmentally, chiefly in the collection of sandalwood, redwood and timber in the districts of *North Arcot*, *North and South Salem*. All the bamboo blocks except three in *North Arcot* and nine blocks in *South Arcot* were worked by contractors under this system. In *Trichinopoly*, 1,135 tons of fuel were collected from four tank-beds for sale to the public and the water-works at Trichinopoly.

Southern Circle.—Departmental fellings were undertaken in one timber coupe in Shiradi Working Circle in *South Canara*, two coupes in *North Malabar*, two in *South Malabar*, and in two compartments of Tekadi leased forests in *South Coimbatore*. In *North Coimbatore*, dead trees were removed departmentally from three coupes, dying and spiked sandal trees from all sandal working circles and fuel from three coupes. *Tectona grandis*, *Pterocarpus Marsupium and Lagerstræmia lanceolata* were felled in Mudumalai, *Nilgiris*. In *Madura*, 200 trees in Cumbum range were removed on contract.

(3) *and* (4) *Improvement and Coppice Fellings.*

29. *Northern Circle.*—In *Ganjám*, Kurcholi B compartment 3 was treated under light improvement felling, four coupes (130 acres) of sâl forests were sold to contractors with standards marked for reservation and three coupes in Mohiri Hills Working Circle were worked departmentally under coppice with standards. A coupe (121·25 acres) in *Gódávari*, coupe No. 5 of Avanigadda Mangrove Working Circle and all the fuel coupes in Bezwada range, *Kistna*, two coupes in *Guntur* (460 acres) and seven compartments in *Bellary* were treated under the same system. Four coupes (4,500 acres) in *Kurnool East* and six (1,365·6 acres) in *Kurnool West* were similarly worked and the produce from the latter was sent to Kurnool for the Municipal water-works.

Central Circle.—In *Cuddapah*, twenty coupes were worked departmentally under the coppice with standards system, as also two coupes in Pullampet under a combined system of improvement and coppice fellings for extracting redwood and other timber. In

Nellore, coupes under Survepalli plan were coppiced by contractors and four coupes were worked departmentally under the coppice with standards system which was adopted in all the remaining coupes worked by lessees. In *Chingleput*, 29 coupes of 3,282 acres were worked by contractors under this system, while in *North Arcot*, 11 coupes (1,252 acres) were coppiced departmentally and 20 (2,398 acres) by contractors. 46,080 cubic feet of fuel were felled by the ryots in Chendragiri for jaggery boiling and cleaning operations only were undertaken in coupes in Palmanér, there being little or no demand for fuel there owing to supplies from zemin forests being plentiful. In *South Arcot*, the coppice with standards system was adopted for 42½ acres worked departmentally and 53 acres worked by contractors. Five coupes in *North Salem* were treated departmentally under this system and two were coppiced. Five fuel coupes (1,074 acres) were worked by contractors, the standards being reserved, and 25 bamboo coupes under improvement fellings. In *South Salem*, the coppice with standards system was invariably adopted, eight coupes being worked by contractors and the rest departmentally. Four bamboo coupes were sold to contractors to be cut over in accordance with the requirements of the working-plan by gangs of coolies in charge of maistries. 565 acres in *Tanjore* and 468 in *Trichinopoly* were worked by contractors under coppice with standards.

Southern Circle.—Four coupes (198 acres) in *South Canara* were cut departmentally, standards being reserved, as also 72½ acres in *South Malabar* for supply to the railway and 1,559 acres in ten working circles in *South Coimbatore*. In Ootacamund and Coonoor plantations in the *Nilgiris*, blue gum trees were felled on the coppice system. In *Madura*, 20 coupes were worked by contractors and 18 departmentally and the produce supplied to the South Indian Railway, Madura mills and Madura depot. In *Tinnevelly*, improvement fellings were made in Nadugani working circle through the agency of a contractor and 18 coupes were sold to be worked under coppice and coppice with standards system.

(5) *Unregulated Fellings.*

30. (*a*) Felling and removal of produce under permits continued in all districts except *Tinnevelly*, being however generally confined to unreserved areas and to extraction of inferior classes of timber, fuel and bamboos required to meet local demand.

In *Gódávari*, *Kurnool East and West*, the permit system was in force in reserves not brought under working-plans, though it was being gradually abolished in the last two districts and located fellings substituted wherever possible. In *Bellary*, *North Arcot* (three blocks) and *South Salem*, bamboos were removed on permits. In *North Malabar*, small quantities of *Anogeissus latifolia*, *Terminalia tomentosa* and *Xylia dolabriformis* were felled for supply to the Tank Block mines and Madras Railway Company. In *South Malabar* and *South Coimbatore*, permits were issued for the removal of bamboos from certain areas.

(ii) *Minor Forest Produce.*

(1) *Miscellaneous Produce.*

31. Minor forest produce was generally disposed of by leasing it out to contractors.

Northern Circle.—In *Vizagapatam*, no leases were given out and the control of the sales was kept entirely in the hands of the department. The revenue collected, Rs. 23,345, was the largest in the history of the district due chiefly to the brisk demand for gallnuts caused by failure of that crop in the Bombay Presidency. In *Gódávari*, minor produce was chiefly exported from the Agency tracts on payment of the usual seigniorage fees. The minor produce in Rajahmundry range was, as in previous years collected departmentally by subordinates without cost. In *Kistna*, babul gum was collected departmentally and supplied to the Superintendent of Stationery. Quarrying stone and metal were collected by the Madras Railway Company and Nizam's State Railway in places in Bezwada reserve on payment of an annual rental of Rs. 5 per acre. Local Fund and Municipal departments also quarried in the same reserve. In *Guntúr*, gum, honey and wax were collected departmentally. In *Kurnool East* and *West*, the right of pre-emption for minor produce was assumed by Government during the year and depots were opened for its collection in the former district. It is too early yet to speak definitely of the result of the system. In *Bellary*,

stones, earth and thatch grass were removed on permits. The minor produce in Sandúr range was collected departmentally.

Central Circle.—In *Cuddapah*, departmental collection was undertaken in Pullampet and portions of Vayalpad and Ráyachóti. In Sriharikota, *Nellore*, all minor produce except *Cassia auriculata* was collected departmentally. The permit system was in vogue for the removal of manure leaves, stones, date ribs and palm leaves in *Chingleput*, and for manure leaves alone in *North Arcot*. Divi divi pods in Nellore range and the minor produce in forests around Mamandur in Chendragiri range were collected departmentally. In *South Arcot*, the system referred to last year continued. In *Tanjore* manure leaves were sold on permits in the Point Calimere forest, while in *Trichinopoly* permits were issued for grass where it was not leased out on contract.

Southern Circle.—In *South Canara*, cardamoms were collected departmentally. 16 tons of catechu were manufactured departmentally at a cost of Rs. 160 per ton and were sold at Rs. 700 per ton. All other produce except spotted (naga) canes were exploited by purchasers or consumers. In *North Malabar*, the produce was collected departmentally on a very small scale. In *South Malabar*, departmental collection of minor produce was undertaken in the new Amarampalem reserve. In the *Nilgiris*, produce was collected departmentally as usual and stored in forest depots. In *North Coimbatore*, gallnuts, honey, wax and horns were collected departmentally, some wax was also supplied to the Medical Stores, Madras. Other items were leased out or removed on permits. In *South Coimbatore*, departmental collection was made in Polláchi and Udamalpet ranges. In *Madura*, permits were issued for manure leaves, thatch grass, stones, etc. The leases for cardamom referred to in previous years' reports continued and no fresh leases were given during the year. In *Tinnevelly*, permits were issued for rattans, Itakalli (*Ochlandra travancorica*) and stones.

(2) *Extraction of Fodder.*

32. *Northern Circle.*—In *Ganjám*, permits for chons and babuli grass and also platter leaves were issued. In *Gódávari*, the pasture lands in unreserves of two taluks were leased out as usual. In Bápatla range, *Guntúr*, mangrove leaves were extensively used for fodder. These are both cut and stored as well as browsed. *Hardwickia binata* leaves were also cut for fodder with the connivance of Forest subordinates however. In *Kurnool East* and *West* grass was removed on permits until January 1905 when free removal was permitted owing to scarcity. In *Bellary*, fodder was removed on permits in leased forests: 102 tons of dried grass were cut in the Sandur forests and Bellary reserve and sold, realizing a profit of about Rs. 3 per ton. 15 tons stored at Tornagallu were sold to the Military Department who were also permitted to cut about 500 cart-loads at Re. 1 per ton from Sandúr reserves.

Central Circle.—In *Cuddapah*, 31 tons of grass were collected and 17 disposed of for Rs. 132 barely covering cost of collection. In *Nellore*, Rs. 100 was realized under this head and towards the close of the year free removal was permitted in several taluks owing to drought. In *North Arcot*, the grass in the plantations was as usual leased out and free removal permitted for *bonâ fide* domestic purposes. In *South Arcot*, there was no demand for grass except in the Annamalai reserve. In *North* and *South Salem*, the revenue realized under this head was very small as free removal of grass from reserves and specially protected blocks was allowed owing to prevalence of drought. 5,425 lb. of *Paspalum dilatatum* grass were disposed of in *Trichinopoly*.

Southern Circle.—The right of collecting thatch grass was sold in *South Canara* and permits were issued for grass in *Madura*.

(3) *Hay-making.*

33. *Northern Circle.*—In *Guntúr*, the two presses bought last year were used for pressing 60 tons of hay. The failure of the monsoons prevented more being cut and slightly increased the cost of cutting. It was found that $1\frac{1}{2}$ cwt. of green grass make 1 cwt. of hay. Each press was managed by five men who on a short day's work pressed 30 bales of 1 cwt. each at a cost of 6 pies per bale. The ordinary collection, etc., expenditure per ton was Rs. 8. Owing to a Ranger's failure to commence sales earlier in the year, only $25\frac{1}{2}$ tons were disposed of for Rs. 225-12-0. Out of the previous year's balance 20 tons were sent to the Military Department at Nandyal, but were found unsuitable as horse fodder In *Kurnool West*, grass locally cut from

reserves supplied to the Military Department was fairly appreciated; the question of systematic hay-making is being dealt with in revised working-plans. In *Anantapur*, 18½ tons out of 30 stacked were sold to the Military Department for Rs. 82.

Central Circle.—In *Chingleput*, 30 tons of hay were sold for Rs. 142, the cost of cutting and stacking being Rs. 31. Villagers readily purchased it. In *North Arcot*, 57 tons were collected in Vellore range at a cost of Rs. 248, but fetched only Rs. 116, the ryots not being accustomed to its use. The operation in Chendragiri could not be started owing to the unfavourable season which left little or no grass in that place for conversion into hay. In *South Arcot*, 18½ tons were collected at a cost of Rs. 68 and the price realized was only Rs. 48. This low revenue is mainly due to rains setting in and consequently grazing improvement in the latter part of the year when sale was effected. In *North Salem*, 39½ tons were collected at a cost of Rs. 226, of which 11½ tons were sold for Rs. 40. In *South Salem*, 42 tons were collected at an expenditure of Rs. 153 and 17 tons realized Rs. 106. The rest was not sold as it was collected too late in the season. The late collections and subsequent favourable season prevented people from purchasing and thus low revenue was realized in some cases.

Southern Circle.—Thirty-five tons were manufactured in *South Coimbatore* at a cost of Rs. 301, but there was no demand partly owing to abundance of cholam straw and partly to the somewhat inferior quality of the hay obtained from jungle grass.

(4) *Grazing.*

34. The following statement compares the revenue derived from "grazing and grass removals" during the year with that of the previous year:—

Circle.	1903-1904.	1904-1905.	Difference.
	Rs.	Rs	Rs.
Northern Circle	2,27,781	2,22,709	— 5,072
Central „	2,64,872	2,83,871	+ 18,999
Southern „	1,14,747	1,20,894	+ 6,147
Total ..	6,07,400	6,27,474	+ 20,074

The decrease in the Northern Circle was mainly in *Guntúr* due to the bad season, bad protection and to the introduction of the face value permit system which on account of its novelty is reported to have retarded the collection of revenue. The Board has since left it to the discretion of Collectors to adopt the old permit system or the new face value system or both, according to local requirements (*vide* Board's Proceedings, Forest No. 134-A, dated 13th June 1905, disposed of in G.O., No. 818, Revenue, dated 5th September 1905). There had been an increase chiefly in *Kurnool East* and *Bellary*. In the former it was due to the division of the Kurnool district into two charges which effected closer and efficient supervision, and in the latter to the prompt steps taken by almost all Range officers in the issue of permits during the grazing season The increase in the Central Circle was mainly due to the crediting to this head of a major portion of the compounding fees realized in *Cuddapah*, partly counterbalanced by a fall in *South Arcot* and *Chingleput* due to failure of rains. The increase in the Southern Circle was mainly in *Madura*, due to closer supervision on the part of the executive staff and more rigid enforcement of rules, whereby permits were taken out for a larger number of animals including goats.

(*b*) Agency of Exploitation.

(i) *Departmental Agency.*

35. Forms Nos. 55 and 56 show separately the different classes of produce collected and Form No. 57 indicates the stock disposed of and the balance on hand at the close of the year. Departmental operations were necessary for conducting improvement and systematic fellings as prescribed in working plans, for reducing unregulated fellings in reserves, for demarcation and fire-line clearings and for the supply of fuel, etc., to railways, to sale depots established in several important towns for the convenience of the public and to public departments. The total quantity of timber and fuel, the number of bamboos and the value of minor produce collected departmentally were, respectively, 43·47, 1·85 and 3·59 per cent. of their respective total outturn through all agencies and the total value of the disposals of the year was Rs. 7,06,986.

Transport was chiefly done by country carts, ponies, coolies, drag bullocks and buffaloes, donkeys, railways and boats. In *Godavari* and in Sríharikóta, *Nellore*, the wood felled was carried by mono-rail and tram respectively to canal boats. In *South Canara*, *South Coimbatore* and *South Malabar*, elephants were used for dragging timber. In forests around Mount Stuart in *South Coimbatore*, timber was trammed to the top of the ghat and then sent down by wire ropeway, but carts have to be used for the heavy logs.

Timber.—The quantity of timber exploited was 655,211 cubic feet or 335,017 cubic feet more than in the previous year, *i.e.*, a little more than double the quantity collected in the previous year. The increase occurred chiefly in *Cuddapah*, *North Salem*, *North Malabar*, *South Malabar* and *South Coimbatore* districts, in all of which departmental fellings were carried on, on a more extensive scale.

Fuel.—The amount of fuel removed departmentally was 9,794,023 cubic feet against 6,180,438 cubic feet in the previous year. The increase of 3,613,585 cubic feet was distributed over many districts. Supply to railways and extended sales at depots accounted for the increase in *Vizagapatam*, *Godavari*, *South Salem*, *South Canara* and *South Coimbatore* while the increase in *Kurnool East*, *South Malabar* and *Madura* was due solely to the supply to railways. In *Ganjám*, large quantities of diseased casuarina trees were removed from the plantations and the Mohiri coupes yielded an increased outturn. In *Bellary*, the coupes prescribed in the working-plans were fully worked and in *Anantapur*, fellings were undertaken in Kothakota compartment II and in Gudipallo aloe plantations. In *Cuddapah*, experimental fuel coupes were opened in several ranges and in *Nellore*, fellings were started for fuel depot in that town. The usual operations in Sríharikota progressed satisfactorily. In *North Arcot*, coupes were worked departmentally for want of contractors. In *the Nilgiris*, the greater outturn was due to working fully up to the prescriptions of working-plans.

Bamboos.—The number of bamboos extracted departmentally was 664,076 or 150,887 more than in the previous year. The increase occurred principally in *Ganjám*, and *Kurnool West* and was due to a large outturn from coupes in the former and to supply of bamboos departmentally in the latter district as the permit system was entirely abolished in the Nallamalais.

Minor produce.—The produce collected was 199,120 maunds (of 25 lbs.) or 94,357 maunds more than in the previous year, due chiefly to the inclusion under this head in *Godavari* of 95,200 maunds of thatching grass collected for buildings and sheds in that district.

Details regarding the supply of firewood and timber for agricultural implements to the rural population and to the ryots will be found in chapter V.

(ii) *By Purchasers.*

36. The pre-payment permit system is reported to have worked satisfactorily in the districts of *Kistna*, *Nellore*, *North* and *South Salem*, *Trichinopoly* and *South Coimbatore*. Other districts except *Guntur* and *North Coimbatore* do not complain about it. In the former district it is reported to have affected the grazing revenue; while in the latter, the old system was reverted to in the previous year. Where possible the permit system is being replaced by located fellings in coupes worked through contractors or departmentally. About 75 per cent of the permits issued were generally checked and recovered, but in some districts recovery is said to vary between 50 and 75 per cent.

The total value of sales was Rs. 7,60,723 from major produce including bamboos and Rs. 12,20,942 from minor produce, showing a decrease of Rs. 39,668 in the former and an increase of Rs. 64,533 in the latter over the preceding year's actuals The decrease under major produce was distributed over *South Salem*, *South Malabar*, *South Coimbatore*, *South Arcot* and *Trichinopoly*. In *South Salem*, the decrease was due to several causes, viz., non-issue of permits for classified and reserved timber from reserves, expansion of departmental supplies in depots, smaller collections of tree value from lands assigned on darkhast, absence of bids for bamboo blocks and crediting of a portion of the revenue from bamboos for the year under report in the previous year. In *South Malabar*, felling of timber by contractors was restricted, while in *South Coimbatore*, contracts for dead timber were discontinued. Departmental

fellings were undertaken on a large scale in *South Arcot* and *Trichinopoly* owing to want of bids from contractors, etc. The increase under minor produce arose chiefly in *Vizagapatam*, *Kurnool East and West*, *Cuddapah* and *Nellore*. The abnormal demand for gallnuts in *Vizagapatam* owing to the failure of that crop in Bombay accounted for the increase in that district, while in *Kurnool East* and *Cuddapah*, the increase was due to larger grazing fees collected. In *Kurnool West* better sales of tangedu (Cassia auriculata) bark and larger revenue from the tapping occasioned the increase. The resumption of work by leading mica miners of Nellore yielded an increased revenue in that district.

The sales of confiscated produce are entered in Form No. 72-B and show a decrease of Rs. 1,681 from the previous year's figure, owing chiefly to less revenue from driftwood leases and to the non-crediting of certain lease amounts before the close of the year in *Godavari*.

(iii) *Rights and Privileges.*

37. The following statement shows the estimated quantity and value of produce removed by right-holders:—

—	Timber.		Fuel.		Bamboos.		Minor produce.	Grazing.	Total value.
	Cubic feet.	Value.	Cubic feet.	Value.	Number.	Value.	Value.	Value.	
		Rs.		Rs.		Rs.	Rs.	Rs.	Rs.
Northern Circle	1,311	97	257,510	4,825	20,489	115	38,950	1,309	45,296
Central ,, ...	..	..	..	..	..	..	94	356	450
Southern ,, ...	119,400	46,320	67	1	1,150	12	808	..	47,141
Total ..	120,711	46,417	257,577	4,826	21,639	127	39,852	1,665	92,887

The value of produce removed under rights and privileges is estimated at Rs. 92,887 against Rs. 78,618 in the previous year. The increase was chiefly due to a larger quantity of produce removed by kumaki-holders in *South Canara* and to the removals being confined solely to timber of reserved species.

(iv) *Free Grants.*

38. The following abstract statement shows the quantity and value of produce removed by free-grantees:—

—	Timber.		Fuel.		Bamboos.		Minor produce.	Grazing.	Total value.
	Cubic feet.	Value.	Cubic feet.	Value.	Number.	Value.	Value.	Value.	
		Rs.		Rs.		Rs.	Rs.	Rs.	Rs.
Northern Circle	31,723	3,157	640	12	41,690	207	192	369	3,937
Central ,, ...	*63,685	12,931	400	25	*237,818	2,895	675	861	17,387
Southern ,, ...	4,755	708	1,893	91	7,365	71	55	..	925
Total ..	100,163	16,796	2,933	128	286,873	3,173	922	1,230	22,249

* This includes produce collected departmentally for free grants in North Salem.

The estimated total value of the free grants was Rs. 22,249 against Rs. 16,053 of the previous year. The increase is chiefly due to the distribution of large quantities of timber and bamboos collected and stored by the department at the Vániyambádi depot, *North Salem*, to the people who lost their houses during the floods of 1903–1904. No grants were made in *Vizagapatam*, *North Malabar* and *Madura*. In most of the districts free grants were made to poor ryots for rebuilding houses or huts destroyed by fire. Besides these, free grants were made in *Bellary* to poor people for the construction of temporary sheds outside towns and villages during plague. In *Chingleput*, grants were made for water-baling purposes to poor ryots owing to the bad season. In *North Arcot*, the grants made in the previous year to ryots who lost their houses during the floods were brought into the accounts only in the year under report. In *South Malabar*, 266 teak poles valued at Rs. 621 were cut and transported at the cost of the Forest Department and handed over to the Telegraph Department as a contribution towards the extension of the telegraph line from Manjeri to Nilambur.

(*c*) Outturn and Sources of Forest Produce.

39. The following abstract shows the total outturn of timber and other produce collected during the year under report and the previous year from reserved forests and from reserved and unreserved lands.

(*Forms Nos.* 55, 56 *and* 72 *b.*)

Agency of exploitation.	Timber in cubic feet including sandalwood.		Fuel in cubic feet.		Bamboos in numbers.		Minor produce (inclusive of grass and grazing) (gross value in rupees).	
	1903-1904.	1904-1905.	1903-1904.	1904-1905.	1903-1904.	1904-1905.	1903-1904.	1904-1905.
1	2	3	4	5	6	7	8	9
By Government agency ..	320,194	655,211	6,180,438	9,794,023	513,189	664,076	59,292	47,216
By purchasers (including confiscation)	2,516,686	2,262,115	10,975,371	10,849,284	36,249,093	34,950,299	1,157,981	1,222,429
By right-holders	77,321	120,711	258,131	257,577	29,912	21,639	43,505	41,517
By free grants	67,679	90,463	5,801	2,933	233,360	190,873	5,886	2,152
Total ..	2,981,880	3,128,500	17,422,741	20,903,817	37,025,554	35,826,887	12,66,664	1,313,314

The results show an increase under *Timber*, *Fuel* and *Minor Produce* and a decrease under *Bamboos*. These variations have already been explained.

The rates of grazing fees levied in the several districts are shown in Form No. 53. The number of animals licensed to graze on payment was 3,285,579 as compared with 3,320,495 in the previous year.

CHAPTER III.—FINANCIAL RESULTS.

40. The financial results for the Presidency compared with those of the previous year and with the average of the five years preceding show a net decrease of Rs. 1,52,084 and a net increase of Rs. 79,943, respectively.

	Years.					Average per year.	1903-1904.	1904-1905.
	1898-99.	1899-1900.	1900-1901.	1901-1902.	1902-1903.			
Revenue.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Northern Circle	6,14,046	7,13,954	7,79,146	8,86,581	8,64,915	7,71,728	8,94,216	9,61,129
Central ,, ...	8,73,772	9,63,093	9,34,847	10,22,586	10,17,632	9,62,386	10,01,313	10,62,715
Southern ,, ...	5,87,436	6,36,460	7,29,780	5,87,327	7,10,232	6,50,247	7,95,042	8,06,698
Total ..	20,75,254	23,13,507	24,43,773	24,96,494	25,92,779	23,84,361	26,90,571	28,30,542
Expenditure "A. Conservancy and Works".								
Northern Circle	1,98,750	2,29,397	2,13,108	2,31,660	2,55,084	2,25,600	2,91,822	3,85,279
Central ,, ...	2,48,912	2,85,449	2,76,620	3,20,428	2,92,415	2,84,765	2,56,418	3,10,950
Southern ,, ...	3,20,139	3,17,555	3,86,322	3,35,137	4,24,886	3,56,807	3,89,481	4,81,924
Total ..	7,67,801	8,32,401	8,76,050	8,87,225	9,72,385	8,67,172	9,37,721	11,78,153
Expenditure "B. Establishments".								
Northern Circle	2,59,525	2,65,661	2,57,146	2,58,497	2,59,801	2,60,125	2,80,763	2,93,777
Central ,, ...	2,81,023	2,94,653	3,14,479	3,10,844	3,10,342	3,02,248	2,94,846	3,04,821
Southern ,, ...	2,83,800	2,95,581	2,90,515	2,89,555	2,84,027	2,88,696	2,79,095	3,07,729
Total ..	8,24,348	8,55,795	8,62,140	8,58,896	8,54,170	8,51,069	8,54,704	9,06,327
Total of A. and B.								
Northern Circle	4,58,275	4,95,058	4,70,254	4,90,157	5,14,885	4,85,726	5,72,585	6,79,056
Central ,, ...	5,29,935	5,80,002	5,91,099	6,31,272	6,02,757	5,87,013	5,51,264	6,15,771
Southern ,, ...	6,03,939	6,13,136	6,76,837	6,24,692	7,08,913	6,45,503	6,68,576	7,89,653
Total ..	15,92,149	16,88,196	17,38,190	17,46,121	18,26,555	17,18,242	17,92,425	20,84,480
Net results.								
Northern Circle	+ 1,55,771	+ 2,18,896	+ 3,08,892	+ 3,96,424	+ 3,50,030	+ 2,86,003	+ 3,21,631	+ 2,82,073
Central ,, ...	+ 3,43,837	+ 3,83,091	+ 3,43,748	+ 3,91,314	+ 4,14,875	+ 3,75,373	+ 4,50,049	+ 4,46,944
Southern ,, ...	— 16,503	+ 23,324	+ 52,943	— 37,365	+ 1,319	+ 4,743	+ 1,26,466	+ 17,045
Total ..	+4,83,105	+ 6,25,311	+ 7,05,583	+ 7,50,373	+ 7,66,224	+ 6,66,119	+ 8,98,146	+ 7,46,062

The gross receipts were Rs. 1,39,971 more than in the previous year and the total expenditure was greater by Rs. 2,92,055. The net results show a surplus of Rs. 7,46,062. In the Southern Circle, the surplus fell from Rs. 1,26,466 to Rs. 17,045. The fall in the Central Circle was small, while that in the Northern Circle amounted to Rs. 39,558. The total receipts for the year rose by 5·20 per cent. and the total charges by 16·29 per cent. Of the expenditure, about 43 per cent. was devoted to the upkeep and improvement of the forests, and 57 per cent. to exploitation, etc. Departmental working yielded a profit of 9 per cent. against 23 per cent. in the previous year. This small profit is mainly due to the accumulation of a large stock of timber exploited in the districts of *North* and *South Malabar*, and *South Coimbatore* in accordance with provisions of the working plans, but for which sale could not be obtained during the year under report. The bulk will doubtless be sold during the current year. As will be observed from Form No. 58, the value of timber and other produce at sale depots at the close of the year was Rs. 2,67,758 more than what it was at the close of the previous year. If the value of this stock be taken into account, the profit of the departmental operations would amount to a percentage of 34. The outstanding revenue at the beginning of the year was Rs. 1,80,707 (1,82,307 *minus* Rs. 1,600 on account of remissions) and the value of sales, etc., during the year amounted to Rs. 28,16,862. Out of the total of Rs. 29,97,569, Rs. 28,30,542 were collected, and Rs. 1,077 written off, leaving an outstanding balance of Rs. 1,65,950 at the close of the year. The variations under the several budget heads of revenue and expenditure during the two years 1903–1904 and 1904–1905 are explained below:—

Receipts.

(i) *By Departmental Agency.*

Timber + *Rs.* 52,137.—Due mainly to larger sales in *Cuddapah* of building materials and red wood logs and to sales of large quantities of timber felled from the Muriam forests in *South Malabar*, as well as to better prices realized from the plantation teak logs in the same district.

Fuel + *Rs.* 61,069.—Due to increased sales in depots in *South Salem* and *Trichinopoly* and to the supply of fuel to the Madras Railway in the former and to the Municipal water-works in the latter district; to a larger supply of fuel to the Madras Railway and Jail department from *South Coimbatore* and to the public of Coimbatore town and to increased supply to the South Indian Railway in *Madura*.

Bamboos + *Rs.* 1,191.—Due mainly to larger sales in *Ganjám*.

Sandalwood — *Rs.* 39,607.—Occurred mainly in *North Coimbatore* due to part of the revenue from sandalwood extracted in 1902–1903 having been credited to 1903–1904 and to the fact that the value of the sales of sandalwood of the year under report not having been credited before the close of the year.

Minor produce — *Rs.* 4,225.—Due mainly to the fall in the price of gall-nuts in *North Coimbatore*.

(ii) *By Purchasers.*

Timber — *Rs.* 12,580.—Due partly to non-issue of permits for classified and reserved timber from reserves in *South Salem*, to expansion of departmental supplies from depots and partly to the decrease in the collection of tree value on darkhast lands on account of drought in the same division; to absence of contracts for felling and removing timber in Pollachi range and in Sankarayapuram and Walayar reserves of Bolampatty range as in the preceding year in *South Coimbatore*; to the stoppage in *South Malabar* of the system of allowing contractors to remove a large quantity of dead and wind blown trees and other junglewood trees of inferior species as in previous years. These decreases were partly counterbalanced by an increase chiefly in *Ganjám*, due to the sale of a large quantity of timber from darkhast lands and to the removal of dead sál, etc., under contract from reserves and from coupe fellings.

Fuel — *Rs.* 12,551.—Due mainly to the working of several coupes departmentally in *Trichinopoly* and *Madura*.

Bamboos + *Rs.* 21,901.—Increase mainly due to large demand for bamboos on account of sugarcane crops in *Gódávari*.

Grazing and Fodder grass + *Rs.* 20,074.—Increase due mainly to the crediting to this head of the major portion of the compounding fees realized in *Cuddapah* instead of V (*b*) fines as in the previous year.

Other produce + *Rs.* 56,779.—The increase is mainly due to brisk demand for gallnuts in *Vizagapatam* where the revenue realized from the produce was almost double that of the previous year; to large export of tamarind and other minor products from the Agency tracts of Rampa and Yellavaram divisions, *Gódávari*; to better sales of tangedu bark and more revenue from tree tapping in *Kurnool West*, and to the recommencement of work by some of the leading mica mine owners in *Nellore*.

(iii) *Miscellaneous (including confiscated drift and waif wood).*

Revenue — *Rs.* 4,217.—Mainly due to the crediting of compounding fees to II (*d*) instead of to this head as previously in *Cuddapah* and to no elephants in *North* and *South Malabar* having been sold as in the previous year. The decrease was partly counterbalanced by increase chiefly in *South Coimbatore*, due to the realization of the arrears of rent of the coffee estates on the Anamalais.

EXPENDITURE.

A. Conservancy and Works.

The total expenditure exceeds that of the previous year by Rs. 2,40,432 due to the following causes—(1) To more extended fellings carried on under "timber" chiefly in *Cuddapah*, *North Malabar*, *South Malabar* and *South Coimbatore* and under "fuel" in *Kurnool East*, *North Arcot*, *South Salem*, *South Coimbatore*, *Madura* and *South Canara*; (2) to the bringing in of a larger quantity of fuel to the fuel depots of *Trichinopoly* and to the expenditure incurred to meet the cost of supplying fuel to the Municipal water-works in that district; (3) to the purchase, feed and keep of bulls and to the feed and keep of a larger number of newly-captured elephants in *South Coimbatore*; (4) to the increase in cost incurred on account of Survey of India charges in the *Northern* and *Southern Circles*; and (5) to a more extended scale of fire protection operations in *Gódávari* and *Kurnool East*.

B. Establishments.

The cost increased by Rs. 51,623 due mainly to (1) absence on furlough of a fewer number of officers than in the previous year; (2) the promotion of Rangers and Extra Assistant Conservators to higher grades; (3) the opening of a Forest Training school at Coimbatore on account of which an initial expenditure had to be incurred in addition to the employment of temporary men as substitutes; (4) the formation of additional forest divisions in the Northern Circle and the creation in that connection of an additional appointment in the Extra Assistant Conservator's class; and (5) the increments given to members of the office establishments.

Revenue.—*Gódávari*, *Cuddapah* and *Nellore* head the list, each contributing about 12 per cent. of the net surplus. *South Arcot* and *Madura* stand next with 9 per cent., respectively, followed by *North Arcot* and *Tinnevelly* each yielding 8 per cent., while *North Salem*, *South Salem* and *Kurnool West* contribute about 7 per cent. per district.

CHAPTER IV.—ADMINISTRATION.

41. During the year the *Kurnool* district was divided into two forest districts, *i.e.*, *Kurnool East* and *West*, and the *Gódávari* and *Kistna districts* into three, *viz.*, *Gódávari*, *Kistna* and *Guntúr*.

CONDUCT OF ESTABLISHMENT.

42. (i) *Executive staff—Northern Circle.*—In *Ganjám*, a Ranger was reduced from II to III grade for incompetency and was temporarily reduced, since the close of the year, to the VI grade. In *Gódávari* the work of three Rangers was unsatisfactory and one Deputy Ranger was suspended and another reduced to the Forester's grade. In *Guntúr*, a first grade Ranger was temporarily reduced for six months to second grade for repeated neglect of duty and impertinence, in addition to one day's suspension for leaving his charge without permission, and the acting promotion of a Deputy Ranger to the last grade of Rangers was cancelled for continued neglect and bad protection of reserves. In *Kurnool East*, a Deputy Ranger in charge of a range absconded, embezzling a large amount of Government money.

Central Circle.—In *Nellore*, charges of suspected absence without leave against a Ranger and of misappropriation of forest produce and absence without leave against a Deputy Ranger were under enquiry; the latter is under suspension. A probationary Ranger in *North Arcot* and a permanent one in *Tanjore* were temporarily reduced for disobedience of orders and neglect of duty. In *Trichinopoly*, a Ranger was under suspension during the year for connivance at illicit fellings and was dismissed after its close. In *Cuddapah*, *South Arcot* and *South Salem*, the conduct of the staff in a few cases was unsatisfactory.

Southern Circle.—In *South Canara*, two Rangers had to be punished and repeatedly warned for bad work. An acting Ranger was reduced for incompetency and a Deputy Ranger dismissed from service for certain irregularities. In *North Malabar*, a Ranger was reduced for slackness. In *North Coimbatore* a Ranger was reduced and a Deputy Ranger was suspended for gross disobedience of orders and neglect of duty. The conduct and work of the establishment in *Tinnevelly* was rather unsatisfactory.

43. (ii) *Protective staff.*—The conduct of the protective staff continued unsatisfactory, though some improvement was observed in certain districts. There was the usual number of suspensions, reductions, dismissals, criminal prosecutions and convictions among the protective staff for various irregularities. A Forester in *Guntúr* was prosecuted for concocting false charges, while a forest guard in *Kurnool East* was sentenced to 6 months' imprisonment for embezzlement of compounding fees. In *North Salem*, a tannahdar was convicted for illicit felling of trees for his own use and a depot keeper who misappropriated Rs. 185 has absconded and is evading arrest. In *South Canara*, two guards were convicted of theft and one for conniving at certain illicit fellings.

44. (iii) *Ministerial Establishment.*—The conduct of the ministerial establishment continued on the whole to be satisfactory. In *Gódávari*, a Range clerk was dismissed from service for disobedience of orders. In *North Salem*, certain charges were framed against the Head Clerk for impertinence, disobedience and perversion of the truth and are under enquiry. The conduct and work of the establishment in *North Malabar* were unsatisfactory owing to their incompetency. In *Tinnevelly*, the Head Clerk was got rid of for inefficiency and general neglect of duty.

45. *Health of the establishment.*—The health of the establishment was fair in all districts except *Vizagapatam*, *Gódávari*, *Kurnool East* and *West*, *South Canara*, *North* and *South Malabar* and *Nilgiris*. In *Gódávari*, the unhealthiest part was the subdivision. The Sríharikóta and parts of the coast ranges in *Nellore*, the Javadis in *North Arcot*, the Pachamalais in *Trichinopoly*, and Mudumalais and Sígúr Ranges in the *Nilgiris* continued as usual to be unhealthy.

46. *Relations between Revenue and Forest officials.*—No cases of friction between the Revenue and Forest officials were brought to notice during the year. The Board's instructions regarding conferences of these officers during Jamabandi were generally attended to. In *South Malabar*, the special Assistant Collector accompanied the District Forest Officer in the Silent Valley in his tour of inspection for Settlement purposes. In *Guntúr*, the question of opening closed areas to grazing was discussed and decided to be unnecessary. In *Kurnool East*, the proximity of a forest reserve to a village was the subject of a complaint and it was being enquired into. In *North Salem*, three complaints were received, one from the ryots of Pennagaram praying for

permission to graze cattle throughout the taluk on a single permit, another against impounding of cattle grazing in an excluded portion of a reserved land and the third for a right of way. Favourable orders were passed on the two latter, while as regards the first it was under consideration to recast the working circles to afford greater facilities for grazing.

47. *Service books.*—These are reported to have been maintained and verified in all the districts. The books were verified up to the close of the official year in some districts and up to the close of the forest year in others. Three service-books remained to be opened in South Arcot.

48. *Tours of the Forest Member.*—The Hon'ble Mr. C. J. Weir was Forest Member of the Board up to 13th April 1905, and the Hon'ble Mr. H. A. Sim, C.I.E., during the remaining portion of the year. The former visited the districts of *Cuddapah*, *Bellary*, *Kurnool*, *Coimbatore* and *Madura*, and also proceeded to Kolar in connection with the proposed supply of timber to the mines.

49. *Conservators' inspections.*—The Conservators of Forests visited all the districts except *Vizagapatam* and inspected all the District Forest Offices in their respective circles except *Gódávari*.

50. *Touring of District Forest Officers.*—More than six months were spent in camp by all the District Forest Officers except the District Forest Officer of the *Nilgiris*, to whom the six months' minimum prescribed does not apply.

51. *Inspection of Range offices by District Forest Officers.*—The Range offices in all the districts were inspected twice except in the case of *Vizagapatam*, *Gódávari*, *Guntúr*, *Kurnool East and West*, *Cuddapah*, *Nellore*, *North Arcot*, *North Salem*, *South Salem*, *North* and *South Malabar*, the *Nilgiris*, and *North Coimbatore*, where some were inspected only once. A Range office in *South Arcot* was inspected thrice, while the Kollegal Range office in *North Coimbatore* was not inspected during the year owing to changes of officers.

52. *Audit of accounts of the District Forest Offices.*—The accounts of all the District Forest offices except *Ganjám*, *Kurnool East*, and *Nellore*, were audited by the Local Fund Inspecting staff of the Accountant-General's office and the results reported were satisfactory. The accounts of *Kurnool East* were not inspected as the division was newly constituted at the beginning of the year. *Godávari*, *Cuddapah*, *Tanjore*, *Trichinopoly*, *Nilgiris* and *North Coimbatore* were audited twice during the year. The Assistant Accountant-General re-inspected the accounts of *Nellore* for 1902–1903, and the Inspector of Local Fund Accounts those of Trichinopoly for 1903–1904.

53. *Forest school, Dehra Dun.*—Two stipendiary students from the *Central* and one Deputy Ranger from the *Southern Circle* were deputed to the school. Three Deputy Rangers and one stipendiary student returned from it to the *Central Circle* and one Deputy Ranger to the *Southern Circle*, all having obtained the Ranger's certificate except one Deputy Ranger in the Central Circle.

54. *Forest schoool at Coimbatore.*—A school for training Deputy Rangers and Foresters was opened from 1st April 1905. The school is also open to selected private students at their own expense. The course is confined to elementary subjects connected with forestry and extends to six months. Nineteen Government and thirteen private students were under training during the first term, of which fifteen secured a pass.

Work and Services of Superior Officers.

55. *Northern Circle.*—Mr. A. W. Lushington, the Acting Conservator of Forests writes as follows:—

"The work of all the Divisional-officers has been very good. Mr. Wood in *West Kurnool* deserves exceptional mention for the excellent arrangements he made towards putting a stop to the permit system and towards the utilization of the Chentsus."

"Of the Extra Assistant Conservators, Messrs. Rego, Ananda Rao and Thompson have very good service."

Central Circle.—The following is an extract from the Collector's remarks in district reports:—

Cuddapah.—"I am well pleased with Mr. C. M. Hodgson's work."

Nellore.—"I have no special remarks to offer. The results of the year's working are creditable to the District Forest Officer (Mr. Murray) having regard especially to the singularly unfortunate season there has been in the district."

Chingleput.—"I fully endorse Mr. Dance's good opinion regarding Mr. Woutersz's work in the district as District Forest Officer."

North Arcot.—"Mr. J. S. Battie was in charge throughout the year, I have nothing to add to my opinion recorded last year."

"Mr. Barry takes an interest in his work and is a hard-working and conscientious officer."

"Syed Burhanuddin Sahib continued to do excellent work."

South Arcot.—"Mr. Peake continued to display most commendable zeal in the discharge of his duties."

North Salem.—"The work of Mr. Rama Rao and Mr. Bapu Rao who were in charge during the year has been satisfactory."

South Salem.—"Mr. Bapu Rao in charge, July to November. He was new and inexperienced for so important a charge, but got on fairly well."

"Mr. Lodge in charge, December to June. His work was as usual satisfactory."

"Mr. Rigold has been working satisfactorily."

Trichinopoly.—"The Collector writes regarding the District Forest Officer, Mr. Nallaswami Nayudu."

"* * * I can fully endorse the laudatory remarks passed by my predecessor in the two last administration reports and I find that in the District Forest Officer's diary for week ending 10th December 1904, Mr. Thompson who acted as Collector from September to December bore glowing testimony both to the excellence of Mr. Nallaswami Nayudu's work and to the improvement in Forest conservancy during his tenure of office."

Southern Circle.—Mr. H. A. Gass, the Conservator of Forests, writes as follows:—

"Mr. P. M. Lushington has held charge of both *North and South Malabar* for some months and has worked zealously and well. He also prepared the revision of the Nilambur working plans in a very creditable manner."

"Mr. H. A. Latham has worked hard. Work stagnates at times in his division, but this is due to the shortcomings of his subordinates."

"Mr. Jackson has carried on the work of the *Nilgiris* satisfactorily."

"Mr. A. W. Lushington was for a short time in charge of *North Coimbatore* and displayed great energy, having spent practically the whole of the time in camp."

"Mr. Fischer was in charge of *North Coimbatore* for three months. He has a good knowledge of Botany and takes much interest in Entomology and his work will be of much value to the Circle."

"Mr. Thornton was in charge of *South Coimbatore* for 6 months. The division was altogether too much for him. He requires a lighter charge."

"Mr. Scot was also in charge of *South Coimbatore* for about six months. I regard him as a shrewd excellent officer and well suited to this heavy charge."

"Mr. Bryant has as usual worked hard and well and the revenue is steadily increasing in his charge."

"Mr. Richmond is a good officer highly spoken of by all. He is an officer of much promise."

"Mr. Arbuthnot has been for the past six or seven months doing duty as Special Working Plans Officer. He has stuck to his work zealously and I look for good results."

"Mr. Seaton-Winton was reported upon specially at the end of June. I have nothing to add to that report."

"The same remark applies to Extra Assistant Conservators Messrs. Hearsey, Daly, H. O'Neill, VanHaeften and Gurunatha Pillai."

Mr. H. J. A. Porter, Deputy Conservator of Forests, retired from service during the year.

CHAPTER V.—GENERAL.

56. *Realization of revenue from the usufruct of toddy-yielding trees on Government wastes and poramboke lands.*—The revenue realised under this head from *Ganjám*, *Vizagapatam*, *Trichinopoly*, *South Malabar* and *South Coimbatore*, was very small. In *Gódávari*, it continued to decrease there being a fall of Rs. 1,410 due to the transfer of a portion of the district to *Kistna*, while in *Bellary*, *Anantapur*, *Nellore*, *North Arcot* and *Tinnevelly* there was a noticeable increase. In *Bellary*, the increase is due to a larger number of trees applied for in reserved forests, and in *North Arcot*, to contractors becoming better acquainted with the fixed fee system. The rate charged in *Nellore* for palmyra and date trees was the same as in the preceding year, viz., one anna per tree and the collection showed an increase of 25 per cent. In *Tinnevelly*, the increase was due to better prices obtained at auction. In *Cuddapah*, the revenue under the head was realized almost entirely from trees on unreserved lands, very few applications for trees in reserves having been made. In *South Arcot*, an amount of Rs. 2,031 was realized as tree-owners' fees against Rs. 2,104 in the previous year; the decision to exclude the right of tapping from forest leases is being given effect to in the leases for 1905–1906. In *North* and *South Salem*, the usufruct of the trees not taken up under the fixed fee system was leased out as usual subject to the condition that the lessees should not interfere with the usual privileges of the people. The revenue from both the divisions was less compared with that of the previous year. In *South Coimbatore*, there are practically no toddy-yielding trees in the reserved forests, all toddy being obtained from cocoanut trees in private topes.

57. *Measures adopted to encourage the growth of manure leaf yielding trees and shrubs.*—In the *Northern Circle*, no steps were taken in this direction except in *Guntúr* there being no demand for leaf manure in some districts while in others, where a demand exists, an adequate supply is obtained outside the reserves. In *Guntúr*, a few acres were planted with Kanuga (*Pongamia glabaa*), in Bápatla range; but it is not likely that such manure leaves will ever be used in that part of the district until wet cultivation in the upland taluks increases and the excessive number of cattle in the district decreases. In *Kurnool East* no artificial measures were undertaken but arrangements were made to transport green manure leaves from the Nallamalais for sale to the ryots at cost price. There was, however, no demand for it on account of drought. In *Kurnool West*, arrangements were being made to cart manure leaves from the Nallamalais to Nandyal town for sale by auction and to sow Kanuga (*Pongamia glabra*) seeds along the banks of streams, etc., in the Nallamalais.

In the *Central Circle*, in *Cuddapah* and *Nellore*, and in portions of *North Arcót* and *North Salem*, the supply of manure leaves was adequate and even exceeded the demand, consequently no special measures to increase the supply were undertaken. In *Chingleput*, *Trichinopoly*, *Tanjore* and *North Arcot* cultural operations were undertaken with unsatisfactory results however owing to want of seasonable rains. In *South Arcot*, permits were issued as in previous year but the demand decreased owing to the unfavourable season. The supply in the vicinity of the Barur project in Krishnagiri, *North Salem*, falls short of the demand. It is therefore proposed to carry out cultural operations in two plots of ground selected in this locality at the next favourable rains. In *South Salem*, provision has been made in the working plan of the *Atur* taluk for special cultural operations and for regulating the heavy supply of manure leaves from this taluk to *Trichinopoly*.

In the *Southern Circle*, no action is called for in any of the districts except *Madura* and *Tinnevelly*. Experiments made in Udamalpet range, *South Coimbatore*, were discontinued as they were unsuccessful. In *Madura*, 65 acres in 2 out of the 15 blocks of unreserved lands selected in the previous year were sown with seeds of *Acacia auriculata*, *Tephrosia purpurea* and *Dodonæa viscosa*, and the seedlings were thriving over three-fourths of the area though owing to scanty rainfall, the growth was not as good as might otherwise have been expected. In *Tinnevelly*, attempts to grow *Tephrosia purpurea* in reserves proved a failure.

58. *Rules under the Forest Act.*—Timber transit rules were sanctioned during the year for *Madura* and those already sanctioned for *Kistna*, *Guntúr*, *Kurnool*, *Cuddapah*, *South Canara*, *Salem*, *North* and *South Coimbatore* are reported to have worked satisfactorily and no hardship or complaint against the working was brought to notice.

In *Ganjám*, the extension of the rules now in force in Gumsur to the Berhampur taluk seems to be necessary to check the systematic smuggling from the Mohiri Hills. In *Guntúr*, the rules require still to be rigorously enforced. In *Kurnool East* and *West*, there is still some tendency to bring timber on permits in a form other than that prescribed in the rules from Shrotriemdars' forests and private lands and such cases are dealt with leniently without hardship to the importers. The transit rules in *Gódávari* require revision and the matter is under correspondence with the Board. The rules in force in *North Malabar* were fully extended to *South Malabar* during the year and the establishment of the required tannahs was under consideration. The proposed transit rules in *North Arcot* were still under revision.

59. *Rules under section* 26 *of the Forest Act.*—The privileges allowed by these rules were generally availed of by the public and no complaints or abuses were brought to notice except in *Vizagapatam*, *Gódávari*, *Kurnool East*, *North Arcot*, *South Salem*, *North and South Coimbatore*. In *Vizagapatam*, as mentioned in the report for the preceding year, difficulty was experienced in checking removals of fuel from unreserved lands for sugarcane boiling and the question was under consideration. In *Gódávari*, the rules for the management of reserved and unreserved lands in the Bhadráchalam taluk were revised and the privileges of the villagers of Arkur in the same taluk were suspended for one year for refusing to render assistance in suppressing a fire that broke out in the Repak reserve. In *Kurnool East*, three complaints of illicit fellings in unreserves were brought to notice and the delinquents were punished. In *North Arcot*, the poorer classes abused the concession by cutting fuel for sale to the public and steps have been taken to check the abuse. In *South Salem*, 18 cases of unauthorised fellings from unreserved lands came to notice and were generally compounded at low rates. In *North Coimbatore*, the privileges under this section do not seem to be thoroughly understood and it is therefore proposed to publish the rules separately in the vernacular for distribution and sale at a nominal price. In *South Coimbatore*, a good many cases of unauthorised fellings of trees in unreserves were brought to light and they were generally dealt with through the agency of Revenue officials. The removal of fuel for sale from unreserved lands adjoining *Nellore* town under cover of the privileges granted under the rules referred to in the previous year's report ended in the suspension of the village munsif. In *North* and *South Malabar*, the rules under the section are of very little importance owing to the small area of unreserved lands. In *North Malabar*, the question of restricting *Ponam* cultivation was under consideration, as such cultivation leads to the destruction of valuable tree growth. Irumbagam (*Hopea parviflora*) trees worth several thousands of rupees are reported to have been cut on the banks of rivers. The question whether such trees belong to Government or the adjoining landholders was at issue.

60. *Inventory of valuable stock.*—The stock registers are reported to have been maintained and verified in all the districts except *North* and *South Malabar* where their revision was being attended to. Form No. 61 shows the value of the stock in the several districts.

61. *Rain-gauges.*—Readings were properly recorded in all the districts in which rain-gauges are set up except in *South Arcot* and *South Salem*; in these two districts the failure is attributed to the ignorance or negligence of the officers in charge. In *Guntúr* and *North Malabar*, the recording of accurate readings is doubted and this work in *South Canara* continues to be irregular. In *Cuddapah*, the rain-gauge at Rollabodu was smashed by thieves and some of the Pullampet readings were lost in the Range office. In *North Arcot*, further improvement is shown in recording the reading and a new station was opened at Paradarami.

62. *Supply of forest produce to meet the wants of the people.*—In *Vizagapatam*, *Gódávari*, *Kurnool East*, *Bellary*, *Cuddapah*, *Nellore*, *North Arcot*, *North* and *South Salem*, *Trichinopoly*, *Tanjore*, and *North* and *South Coimbatore*, the wants of the people are met with by issue of permits from stations located at convenient centres. In *Ganjám*, about 1,500 sal ploughs were sold departmentally at very low rates, theft still continued, however, as the ryots would not walk a few miles to the depot to buy them and prefer stealing from the adjoining forest. There was a loss of 40 per cent. of

ploughs in the depot as the fashioned ones split if not used at once. The experiment of burying them will be tried. In *Kistna*, owing to the introduction of the system of located fellings the yield of timber from the coupes did not fully meet building and agricultural demands; it was therefore necessary to cut timber departmentally from the interior parts for supply to ryots. In *Guntúr*, babulwood was supplied for agricultural implements at the town sale depot. Elsewhere the efforts to supply timber departmentally failed owing to the malpractices of Range officers. In *Kurnool East*, permits were availed of more largely by traders than by the ryot population. Depots were also opened in different places to sell firewood, timber, etc., required by the public. In that district *and in Kurnool West*, agricultural implements were manufactured and distributed to the several depots for sale to the public. In the latter district depot was also started at Dhone and some more were under contemplation. In *Bellary*, 11 additional permit-issuing officers were appointed during the year at convenient centres. In *Cuddapah*, much was done in the direction of opening depots in different places to sell firewood, timber, etc., required by the public and by issuing permits from stations located at convenient centres. In *Chingleput*, of the 49 forest coupes opened in different places for sale of fuel to the public only 29 found purchasers. In the rest the public partially availed themselves of the privilege of removals by the permit system. Arrangement is being made to open a depot at St. Thomas' Mount. In *North Arcot*, two depots, one at Ranipet and the other at Gudiyáttam were closed during the year for want of demand and arrangements were made in Palmanér to supply the people with fuel, small timber and bamboos for *bonâ fide* domestic use at cost price. In *South Arcot*, the arrangements made in previous years continued. In *North Salem*, agricultural implements and small timber and bamboos were largely extracted departmentally and sold to the public at a nominal profit. In *Trichinopoly*, two depots were opened in the Kasba town for sale of timber and fuel. A portion of the Baindur reserve in *South Canara* was as usual thrown open for the collection of dry firewood, manure leaves and grass in head loads free of charge and small timber fit for building purposes extracted from fuel coupes in Coondapur range were sold to the inhabitants at low rates. In *North* and *South Malabar*, the local demand was met from private forests but the fuel depot opened at the Palghat Range office compound in *South Malabar* as a trial was found to be unsuccessful. In *the Nilgiris*, the Baduga gets his annual supply of firewood at Re. 1 per each household and the Chetties of Wynaad are allowed wood required for agricultural implements free. In *South Coimbatore*, the departmental supply of implements and other articles required for agricultural or domestic use was initiated during the year and three sale depots are located in Coimbatore town. The sanctioned working plans in *Madura* provide for the requirements of the public and coupes were also opened in the neighbourhood of villages. A depot in *Madura* was opened from June 1905 for the consumption of the town where firewood is being sold at a reasonable rate. For the Kodaikánal settlement, another depot is being maintained by departmental working of a plantation, and for meeting the wants of the Periyakulam town, experimental coupes were worked in the vicinity.

63. *Cultivation in reserved forests.*—In *South Salem*, owing to the fall in the price of coffee, two of the coffee lessees who took leases on the Shevaroys about ten years ago, applied for remission of the annual rent for five years during which they proposed to introduce rubber and tree cotton. The Government sanctioned a remission of rent for three years on such areas as were cleared and planted with the new species. A rent of Rs. 100–12–10 due by a planter remained in arrear at the end of the year. Of the 20 estates leased for coffee cultivation on the Anamalais, *South Coimbatore*, 12 were under cultivation with coffee, cardamoms and cinchona. The proposal to resume six of the remaining eight estates is before the Board.

64. *Suits.*—In *Gódávari*, the claimants in Coringa extension suit referred to in the last year's report preferred second appeals in the High Court and they are pending disposal. In *Nellore*, an appeal to the High Court by the Rajah of Venkatagiri against the Government in the Veligonda boundary dispute and a suit for recovery of certain lands included in South Mopur reserve in the District Munsif's Court at Nellore were pending. In *North Salem*, two appeals against certain decisions of the Forest Settlement officer were pending before the District Judge. The claim to the Jarugumalai hills, *South Salem*, which was pending before the Special Survey officer

was decided in favour of Government. The second appeal in *Trichinopoly* in the case of Mogavanur block referred to in the two previous reports was still pending. The Forest appeals of *South Canara* pending in the High Court at the close of the previous year were disposed of, three in favour of Government, one in favour of the appellant, and the remaining one was sent to the District Court for taking further evidence on certain points. The civil suit concerning the ownership of Tanikuzli hill filed by Olappa Manna Mana Nambudripad, which was pending in the Sub-Court, Palghat, *South Malabar*, was dismissed, but the same hill was wrongly given delivery to one Kuthiravattath Nair by a court amin in executing a decree of the High Court. The petition put in by Government for the redelivery of the hill in question was dismissed by the Sub-Judge, Calicut. This order has been appealed against

Of the four suits pending at the beginning of the year in *Tinnevelly*, two were disposed of, one in favour of Government in connection with a suit brought by the Hakdar of Kattalaimalai to set aside the acquisition of a road through the estate, and the other, a claim to land in the Srívilliputtúr reserved forest, against it. The remaining two were pending.

65. *Elephants.*—The elephant in *Vizagapatam* and *Gódávari* enjoyed good health throughout the year, but that in the latter has a callous swelling on the fore-leg, which being superficial, causes no inconvenience. In *Kurnool West* the elephant Byragi Pyari continued to be in the charge of the District Forest officer. Two of the three elephants in *South Canara* were inspected by the Inspector of Government Elephants; they are reported to be in good condition. Out of seven elephants including one calf in the *Nilgiris*, one died of old age. Elephant-capturing operations were carried out in *North* and *South Malabar* and *South Coimbatore* and the number of elephants captured was six, one and eight, respectively. In *North Malabar*, the outbreak of anthrax much disturbed the operations where two tame elephants succumbed to this disease while seven were transferred temporarily to the South Division. One animal gave birth to a male calf. During the year the condition of the working elephants in *South Coimbatore* was very bad, many suffering from deep abscesses. Four elephants including one captured during the year died and one broke its leg and had to be shot. In March, an officer of the Veterinary Department was appointed as Inspector and under his treatment there has been much improvement. Two calf elephants captured during the year were sold for Rs. 1,780. The number of animals in charge of the department at the close of the year was 70 against 65 of the previous year.

66. *The sawmill at Mount Stuart.*—Work was started only in August and had to be stopped in December owing to shortage of water and all orders on hand had to be carried out by hand-sawing. At the close of the year it worked for nearly a month, there being failure of water for ten days even then. On the whole, mill worked for five months and the outturn of sawn material was 17,307 cubic feet against 17,695 cubic feet in the previous year. Thirteen thousand four hundred and seventy-six cubic feet of teak scantlings and 3,831 cubic feet of miscellaneous species scantlings were sawn. Teak scantlings sold at an average price of Rs. 2–15–1 per cubic foot. The percentage of waste was 42·6 and when this is considered together with the cost of conversion, sales at the above rate can scarcely be considered remunerative as compared with sales of the same timber in the log which realise about Rs. 2 per cubic foot.

67. *The wire ropeway at Mount Stuart.*—This was put into working order personally by the Conservator and work started on the 27th October. The total number of loads sent down the wire ropeway was 357 of 6,247 cubic feet against 263 of 4,717 cubic feet in the previous year. Two thousand bamboos also were transported by this means. The gain as compared with road transport was reported to be Rs. 386–9–3.

68. *Mica, etc.*—There were 30 sanctioned mica mines in existence at the commencement of the year, two new ones were sanctioned during the year and the lease of one was cancelled, leaving 31 mines at work at the end of the year. To the three mines in patta lands, one more was added during the year; three of which are working satisfactorily, while the work in the fourth is unsystematic. Eight prospecting licenses were also issued during the year. No cases of illicit mining were reported. In the case of one prospecting plot, the licensee's agent carried on prospecting operations after the expiry of the period of license, but subsequently applied for its renewal

which was granted. In another case, a prospecting licensee carried on prospecting operations in certain excluded portions owing to ignorance of limits, and on his application and personal inspection by the Collector a fresh license was granted which included the portion in which unauthorized prospecting operations were carried on. The total quantity of mica consigned from the district was 846,467 lbs. against 251,295 lbs. in the preceding year and the royalty collected thereon amounted to Rs. 34,390 against Rs. 10,105 in the previous year. There seems to be a large demand for mica not only in London but also in Germany and other European countries, so much so, that the agent of a Hamburg firm has established himself in Gudur and is purchasing large quantities of mica. Of late there has been several instances of local sales of mica by the lessees, some at the pits' mouth and some in Madras. The demand for flimsy mica has revived recently owing to a demand in Germany for this class. The prospects, so far as they appear from the present demand, are fair and there is every hope of the industry in mica increasing during the coming years. Seven accidents were reported during the year, six of which were due to carelessness in handling explosives and one to the fall of overhanging mica schist. Almost all the important mines were inspected during the year by the Inspector of Mines and some by the District Medical and Sanitary Officer.

The plumbago mines in *Gódávari* were worked only on a small scale and the royalty realized was Rs. 162.

69. *Forest museum.*—This was maintained and largely developed. A new special building for the purpose was sanctioned by Government.

APPENDICES.

Appendix A.—District areas and Forest reserves.

District.	(a) Total area excluding feudatory and tributary states.	(b) Area excluding zamindari, whole inam villages and minor inams in ryotwari tracts.	(b) Occupied area.	Particulars of remaining area (columns 3—4).			Reserved forests and reserved lands.			Percentage of column 10 to column 3.	Percentage of column 10 to column 7.
				(b) Unoccupied, cultivable, uncultivable and forest areas.	(a) Areas for which returns are not available.	Total of columns 5 and 6.	Reserved forests under Act V of 1882.	Reserved lands.	Total of reserves (columns 8 and 9).		
1	2	3	4	5	6	7	8	9	10	11	12
Northern Circle.	ACS.	ACS.	ACS.	ACS.	ACS.	ACS.	ACS.	ACS.	ACS.		
Ganjám	5,356,224	1,609,588	417,448	706,085	486,055	1,192,140	344,589	38,495	383,084	23·80	32·13
Vizagapatam	11,022,714	849,009	181,605	667,404	..	667,404	190,700	30,009	220,709	26·00	33·07
Gódávari	3,585,602	1,885,804	553,101	1,332,703	..	1,332,703	554,999	48,450	603,449	32·00	45·28
Kistna	3,761,866	1,612,431	978,354	634,077	.	634,077	179,192	260	179,452	11·13	28·30
Guntúr	3,670,454	2,892,618	1,773,907	1,109,598	9,113	1,118,711	521,191	18	521,209	18·21	46·59
Kurnool	4,849,767	4,219,237	1,404,504	2,814,733	..	2,814,733	1,622,188	72,061	1,694,249	40·16	60·19
Bellary	3,656,230	2,980,358	1,865,990	1,114,368	..	1,114,368	384,794	54,799	439,593	14·75	39·45
Anantapur	3,556,083	3,021,559	1,441,443	1,580,116	..	1,580,116	326,089	6,984	333,073	11·02	21·08
Total ..	39,458,940	19,070,604	8,616,352	9,959,084	495,168	10,454,252	4,123,742	251,076	4,374,818	22·90	41·85
Central Circle.											
Cuddapah	5,582,739	4,859,574	1,381,901	3,477,673	..	3,477,673	1,433,982	74,759	1,508,741	31·05	43·38
Nellore	5,097,300	2,320,111	886,664	1,433,447	..	1,433,447	470,110	2,806	472,916	20·38	32·99
Chingleput	1,971,041	1,306,966	661,932	645,034	..	645,034	136,812	..	136,812	10·47	21·21
North Arcot	4,722,713	2,499,688	876,700	1,622,988	..	1,622,988	825,349	345	825,694	33·03	50·88
South Arcot	3,339,520	2,989,717	1,656,035	1,333,682	..	1,333,682	424,650	..	424,650	14·20	31·84
Salem	4,818,982	3,575,342	1,437,441	2,137,901	..	2,137,901	998,795	61,185	1,059,980	29·65	49·58
Trichinopoly	2,324,804	1,713,225	1,103,567	609,658	..	609,658	198,199	3,245	201,444	11·76	33·04
Tanjore	2,375,381	1,583,478	1,142,240	441,238	..	441,238	12,461	..	12,461	·79	2·82
Total ..	30,232,480	20,848,101	9,146,480	11,701,621	..	11,701,621	4,500,358	142,340	4,642,698	22·27	39·68
Southern Circle.											
South Canara	2,573,389	2,573,389	669,094	1,902,241	2,054	1,904,295	431,627	251,533	683,160	26·55	35·88
Malabar	3,708,692	3,687,513	1,291,983	2,395,530	..	2,395,530	289,887	56,669	346,556	9·04	14·47
Nilgiris, The	612,557	612,893	196,053	416,840	..	416,840	263,810	55,810	319,620	52·15	76·68
Coimbatore	5,030,790	4,596,233	2,511,170	2,085,063	..	2,085,063	1,305,873	180,480	1,486,353	32·34	71·29
Madura	5,568,896	2,079,154	1,123,613	955,541	..	955,541	394,021	33,394	427,415	20·51	44·73
Tinnevelly	3,448,922	2,279,314	1,484,438	794,876	..	794,876	279,505	459	279,964	12·28	35·22
Total ..	20,943,246	15,828,496	7,276,351	8,550,091	2,054	8,552,145	2,964,723	578,345	3,543,068	22·38	41·43
Grand Total ..	90,634,666	55,747,201	25,039,183	30,210,796	497,222	30,708,018	11,588,823	971,761	12,560,584	22·53	40·90

(a) Area by professional survey.

(b) Area according to village papers.

Appendix B.—Reserved forests in square miles.

Districts.	Up to 1903–1904.	During 1903–1904.	During 1904–1905.	Total.
1	2	3	4	5
Northern Circle.	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.
Ganjám	536	2	..	538
Vizagapatam	298	..	..	298
Gódávari	952 — 85 (*b*)	..	(*a*)	867
Kistna	179 + 85 (*b*)	3	13	280
Guntúr	778 + 8 (*c*)	22	6	814
Kurnool, East	1,079	73	3	1,155
Kurnool, West	1,254	59 — 2 (*e*)	69	1,380
Bellary	571	2	28	601
Anantapur	510	..	..	510
Total ..	6,165	159	119	6,443
Central Circle.				
Cuddapah	2,216	(*b*) — 3	28	2,241
Nellore	739 — 8 (*c*)	1	2	734
Chingleput	214	..	..	214
North Arcot	1,291	(*f*) — 1	..	1,290
South Arcot	663	..	..	663
North Salem	813	19	..	832
South Salem	695	33	..	728
Trichinopoly	296	5		310
Tanjore	19	+1 (*f*)	..	20
Total ..	6,938	55	39	7,032
Southern Circle.				
South Canara	662	..	12	674
North Malabar	231	..	4	235
South Malabar	218	..	..	218
The Nilgiris	403	5	4	412
North Coimbatore	1,333	45	..	1,378
South Coimbatore	662	..	..	662
Madura	609	1	9 — 3 (*d*)	616
Tinnevelly	436	1	..	437
Total ..	4,554	52	26	4,632
Grand Total ..	17,657	266	184	18,107

(*a*) Below one square mile.
(*b*) Transferred from Gódávari to Kistna.
(*c*) Transferred from Nellore to Guntúr.
(*d*) Disafforested.
(*e*) Revision of area by India Survey.
(*f*) Rectification.

Appendix C.—Particulars of balance of Lands under Settlement.

District.	Forest settlement.					
	Total number and area of blocks under settlement up to the end of 1904–1905.		Total number and area of blocks constituted finally as reserved forests up to the end of 1904–1905.		Balance at the end of 1904–1905.	
	Number.	Area.	Number.	Area.	Number.	Area.
1	2	3	4	5	6	7
Northern Circle.		SQ. MLS.		SQ. MLS.		SQ. MLS.
Ganjám	54	598	51	538	3	60
Vizagapatam	52	298	52	298	..	..
Gódávari	* 73	943	71	867	2	76
Kistna	† 74	280	68	280	6	(*a*)
Guntúr	179	814	177	814	2	(*a*)
Kurnool, East	38	1,156	37	1,155	1	1
Kurnool, West	64	1,493 (*b*) — 1	58	1,380	6	112
Bellary	153	626 (*b*) — 1	150	601	3	24
Anantapur	88	521	80	510	8	11
Total	775	6,727	744	6,443	31	284
Central Circle.						
Cuddapah	212	2,360 (*b*) — 2	208	2,241	4	117
Nellore	‡ 227	738	226	734	1	4
Chingleput	197	214	197	214	..	..
North Arcot	194	1,290	192	1,290	2	(*a*)
South Arcot	157	663	157	663	..	..
North Salem	75	923	70	832	5	91
South Salem	103	733	102	728	1	5
Trichinopoly	120	316 (*b*) — 1	117	310	3	5
Tanjore	15	20	15	20	..	..
Total	1,300	7,254	1,284	7,032	16	222
Southern Circle.						
South Canara	145	880	100	674	45	206
North Malabar	24	258	22	235	2	23
South Malabar	14	265	12	218	2	47
The Nilgiris	428	413	425	412	3	1
North Coimbatore	50	1,652	47	1,378	3	274
South Coimbatore	21	662	21	662	..	..
Madura	151 (*c*) — 1	671 (*c*) — 3	148	616	2	52
Tinnevelly	69	438	63	437	6	1
Total	901	5,236	838	4,632	63	604
Grand Total, Presidency	2,976	19,217	2,866	18,107	110	1,110

(*a*) Below one square mile. (*b*) Excluded at settlement. (*c*) Disafforested.

* Out of the blocks shown last year, 14 with an aggregate area of 85 square miles were transferred to Kistna district.

† Out of the blocks shown last year, 172 with an aggregate area of 806 square miles were transferred to the newly formed Guntúr district.

‡ Out of the blocks shown last year, 5 with an aggregate area of 8 square miles were transferred to the Guntúr district.

Appendix C.—Particulars of balance of Lands under Settlement—*cont.*

District.	Settled and reported on.								Settled but not reported on.		Settlement proceeding.	
	Notified under section 16 during 1904–1905, but reservation effected only after 30th June 1905.		With Board or Government awaiting publication of Notification under section 16.		Returned by the Board for revision and remaining either with Collector, District Forest-officer or Forest Settlement-officer.		Total settled and reported on.					
	Number.	Area.	Number.	Area.	Number.	Area.	Number.	Area.	Number.	Area.	Number.	Area.
	8	9	10	11	12	13	14	15	16	17	18	19
Northern Circle.		SQ. MLS.		SQ. MLS.		SQ. MLS.		SQ. MLS.		SQ. MLS.		SQ. MLS.
Ganjám	..	..	..	..	..	..	..	..	..	..	3	60
Vizagapatam ..	..	..	..	..	..	..	..	..	..	..	..	..
Gódávari	..	..	(*b*) 1	1	..	..	1	1	..	..	1	75
Kistna	..	..	(*b*) 1	(*a*)	..	..	1	(*a*)	..	..	5	(*a*)
Guntúr	..	..	..	..	..	..	..	..	..	..	2	(*a*)
Kurnool, East ..	1	1	..	..	..	..	1	1	..	..	..	..
Kurnool, West ..	1	2	..	..	(*c*) 2	10	3	12	..	..	3	100
Bellary	..	..	(*b*) 1	13	..	..	1	13	(*c*) 2	11	..	..
Anantapur ..	..	..	..	..	..	..	..	..	..	..	8	11
Total ..	2	3	3	14	2	10	7	27	2	11	22	246
Central Circle.												
Cuddapah	..	..	(*b*) 1	5	2	112	3	117	(*b*) 1	(*a*)	..	..
Nellore	1	4	..	..	..	..	1	4	..	..	..	..
Chingleput ..	..	..	..	..	..	..	..	..	..	..	..	..
North Arcot ..	..	..	..	..	..	..	..	..	..	..	2	(*a*)
South Arcot ..	..	..	..	..	..	..	..	..	..	..	..	..
North Salem ..	..	..	(*b*) 1 1	15 11	..	..	2	26	(*c*) 2	19	1	46
South Salem ..	..	..	..	..	1	5	1	5	..	..	..	..
Trichinopoly ..	..	..	(*b*) 1	3	..	..	1	3	(*c*) 1	1	1	1
Tanjore	..	..	..	..	..	..	..	..	..	..	..	..
Total ..	1	4	4	34	3	117	8	155	4	20	4	47
Southern Circle.												
South Canara ..	8	11	(*b*) 2	(*a*)	..	..	10	11	15	56	20	139
North Malabar ..	..	..	..	..	1	22	1	22	..	..	1	1
South Malabar ..	..	..	..	..	..	..	..	..	..	..	2	47
The Nilgiris ..	2	(*a*)	..	..	..	..	2	(*a*)	(*c*) 1	1	..	..
North Coimbatore.	..	..	..	..	..	..	..	..	(*c*) 1	16	2	258
South Coimbatore.	..	..	..	..	..	..	..	..	..	..	..	..
Madura	..	..	..	..	1	52	1	52	..	..	1	(*a*)
Tinnevelly ..	3	(*a*)	..	..	..	..	3	(*a*)	..	..	3	1
Total ..	13	11	2	(*a*)	2	74	17	85	17	73	29	446
Grand Total, Presidency ..	16	18	9	48	7	201	32	267	23	104	55	739

(*a*) Below one square mile. (*b*) Since notified under section 16 of the Forest Act.
(*c*) Report since submitted to the Board.

APPENDIX C.—Particulars of balance of Lands under Settlement—*cont.*

Districts.	Of lands notified under section 4.																							
	1891-92.		1894-95.		1895-96.		1896-97.		1897-98.		1898-99.		1899-1900.		1900-1901.		1901-1902.		1902-1903.		1903-1904.		1904-1905.	
	Number.	Area.	Number.	Area.	Number.	Area.	Number.	Area.	Number.	Area.	Number.	Area.	Number.	Area.	Number.	Area.	Number.	Area.	Number.	Area.	Number.	Area.	Number.	Area.
	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43
Northern Circle.		S. M.		S. M.		S. M.		S. M.		S. M.		S. M.		S. M.		S. M.		S. M.		S. M.		S. M.		S. M.
Ganjám ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	60	2	(*a*)
Vizagapatam ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Gódávari ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	75	..	..	1	1	..	..
Kistna	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	(*a*)	..	..	..	..	..	..	5	(*a*)
Guntúr	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	(*a*)
Kurnool, East ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	..	..	..	..
Kurnool, West ..	..	..	..	..	..	..	..	..	1	88	..	..	..	..	..	..	..	..	2	7	3	17	..	..
Bellary ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	3	24	..	..
Anantapur ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	8	11
Total ..	..	..	..	..	..	..	..	..	1	88	..	..	..	..	1	(*a*)	1	75	3	8	8	102	17	11
Central Circle.																								
Cuddapah ..	..	..	2	112	..	..	..	..	1	5	..	..	..	..	..	..	..	..	..	..	..	..	1	(*a*)
Nellore	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	4	..	..	..	..
Chingleput ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
North Arcot ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	(*a*)	..	..	1	(*a*)
South Arcot ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
North Salem ..	..	..	..	..	..	..	..	..	..	..	..	..	1	4	4	87	..	..	..	..	..	..	..	..
South Salem ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	5	..	..	..	..
Trichinopoly ..	..	..	..	..	..	..	1	3	..	..	1	1	..	..	..	..	..	..	..	..	..	..	1	1
Tanjore ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total ..	..	..	2	112	..	..	1	3	1	5	1	1	1	4	4	87	..	..	3	9	..	..	3	1
Southern Circle.																								
South Canara ..	..	..	1	3	1	4	2	8	..	..	1	15	..	..	..	..	4	15	8	32	15	25	13	104
North Malabar..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	22	1	1
South Malabar..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	45	1	2
The Nilgiris ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	(*a*)	..	..	..	..	1	1	..	..
North Coimbatore	(*b*)1	246	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	16	..	..	..	..	1	12
South Coimbatore	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Madura ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	52
Tinnevelly ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	..	..	4	(*a*)	1	(*a*)
Total ..	1	246	1	3	1	4	2	8	..	..	1	15	..	..	2	(*a*)	6	32	8	32	22	92	19	171
Grand Total ..	1	246	3	115	1	4	3	11	2	93	2	16	1	4	7	87	7	107	14	49	30	195	39	183

(*a*) Below one square mile.

(*b*) Renotified under section 4 during 1904-1905.

APPENDIX D.—Causes of delay in the submission of final notifications of Forest reserves.

Districts.	Notified under section 16 during 1904–1905, but with effect only after 30th June 1905.	With Board or Government awaiting publication of notification under section 16.	Pending with Collectors and Forest-settlement officers for revision.	Awaiting disposal of appeals.	Awaiting grant of compensation or exchange of lands.	Awaiting demarcation and survey of enclosures, and preparation of maps.	Awaiting District Forest-officer's answers to claims, demarcation, etc.	Awaiting inspection by the Forest Settlement officers.	Awaiting information from Tahsildars or other Revenue officers.	Awaiting expiry of time prescribed for appeal.	Other causes (such as recently notified, renotification under section 4, etc.).	Total.
1	2	3	4	5	6	7	8	9	10	11	12	13
Ganjám	..	..	..	..	..	1	..	2	..	..	..	3
Vizagapatam ..	..	..	..	..	..	..	..	..	..	..	..	..
Gódávari	..	1	..	1	..	..	..	..	..	..	..	2
Kistna	..	1	..	..	..	..	..	5	..	..	..	6
Guntúr	..	..	..	..	..	..	..	2	..	..	..	2
Kurnool, East ..	1	..	..	..	..	..	..	..	..	..	..	1
Kurnool, West ..	1	..	2	..	..	..	1	..	2	..	..	6
Bellary	..	1	2	..	..	..	..	..	..	..	..	3
Anantapur ..	..	..	..	..	1	..	..	7	..	..	..	8
Cuddapah ..	..	1	3	..	..	..	..	..	..	..	..	4
Nellore	1	..	..	..	..	..	..	..	..	..	..	1
Chingleput ..	..	..	..	..	..	..	..	..	..	..	..	..
North Arcot ..	..	..	..	1	..	..	..	..	..	..	1	2
South Arcot ..	..	..	..	..	..	..	..	..	..	..	..	..
North Salem ..	..	2	2	1	..	..	..	..	..	..	..	5
South Salem ..	..	..	1	..	..	..	..	..	..	..	..	1
Trichinopoly ..	..	1	1	1	..	..	..	..	..	..	..	3
Tanjore	..	..	..	..	..	..	..	..	..	..	..	..
South Canara ..	8	2	15	4	..	..	1	13	..	..	2	45
North Malabar ..	..	..	1	..	..	..	1	..	..	..	..	2
South Malabar ..	..	..	..	..	..	..	2	..	..	..	..	2
The Nilgiris ..	2	..	1	..	..	.	..	..	..	..	..	3
North Coimbatore.	..	..	1	..	..	..	1	..	..	..	1	3
South Coimbatore.	..	..	..	..	..	..	..	..	..	..	..	..
Madura	..	..	1	..	..	..	..	..	..	..	1	2
Tinnevelly ..	3	..	..	..	..	1	1	..	..	1	..	6
Total ..	16	9	30	8	1	2	7	29	2	1	5	110

APPENDIX E.—Reserved Lands not under Settlement in square miles.

Districts.	Up to 1903-1904.	Added during 1903-1904.	Added during 1904-1905.	Total.	Transferred to settlement.				Balance "reserved lands" not under settlement.
					Up to 1903-1904.	During 1903-1904.	During 1904-1905.	Total.	
1	2	3	4	5	6	7	8	9	10
Northern Circle.									
Ganjám	538	60	(a)	598	538	60	(a) ..	598	..
Vizagapatam ..	345	..	..	345	298	..	..	298	47
Gódávari	942	1	..	943	942	1	..	943	..
Kistna	282	(b) — 2	(a)	280	275	(b) — 7, 2	(a) ..	280	..
Guntúr	814	..	(a)	814	814	..	(a) ..	814	..
Kurnool, East ..	1,156	..	..	1,156	1,156	..	..	1,156	..
Kurnool, West ..	1,493	..	(b) — 1	1,492	1,493	..	(b) — 1	1,492	..
Bellary	636	(f) — 53, 1	(b) — 1	687	573	53	(b) — 1	625	(c) 62
Anantapur	510	..	11	521	510	..	11	521	..
Total ..	6,716	111	9	6,836	6,599	119	9	6,727	109
Central Circle.									
Cuddapah	2,373	(b) — 5, (d) — 3, (e) — 5	(b) — 2	2,358	2,360	..	(b) — 2	2,358	..
Nellore	739	..	(f) — 1	738	739	..	(f) — 1	738	..
Chingleput ..	214	..	..	214	214	..	..	214	..
North Arcot ..	1,290	..	..	1,290	1,290	..	..	1,290	(a) ..
South Arcot ..	663	..	..	663	663	..	..	663	..
North Salem ..	924	(b) — 1	..	923	924	(b) — 1	..	923	..
South Salem ..	735	(b) — 2	..	733	735	(b) — 2	..	733	..
Trichinopoly ..	315	..	(b) — 1, 1	315	315	..	(b) — 1, 1	315	..
Tanjore	20	..	..	20	20	..	..	20	..
Total ..	7,273	— 16	— 3	7,254	7,260	— 3	— 3	7,254	..
Southern Circle.									
South Canara ..	1,070	(g) — 1, 2	(g) — 2	1,067	751	25	104	880	187
North Malabar ..	235	22	1	258	235	22	1	258	..
South Malabar ..	266	18	..	284	218	45	2	265	(c) 19
The Nilgiris ..	498	1	..	499	412	1	..	413	(c) 86
North Coimbatore.	1,650	(b) — 2	12	1,660	1,640	..	12	1,652	8
South Coimbatore.	662	..	..	662	662	..	..	662	..
Madura	619	..	(d) — 52, 3	668	619	..	(d) — 52, 3	668	..
Tinnevelly ..	437	..	(f) 1	438	437	(a) ..	(f) 1	438	..
Total ..	5,437	38	61	5,536	4,974	93	169	5,236	300
Grand Total ..	19,426	133	67	19,626	18,833	209	175	19,217	409

(a) Below one square mile. (b) Excluded at settlement. (c) Leased forests. (d) Disafforested.
(e) Initial notification cancelled. (f) Rectification. (g) Abandoned.

APPENDIX F.—Abstract of district reports in regard to the maintenance of maps in accordance with the provisions of section 81 of the Forest Code.

Northern Circle.

Ganjám.—Maps for all fire-protected areas have been prepared in the year.

Vizagapatam.—A district reference map on the scale of 4 miles to an inch showing all reserves, etc., and three range forest reference maps and sketch-maps for reserves were prepared.

Gódávari.—The district map (1″ = 4 miles), showing all reserves, etc., has been maintained as also range forest maps (1″=1 mile). Separate maps for each reserve are also kept.

Kistna.—Final maps for 15·68 square miles of reserved forests were received. The existing maps were maintained.

Guntúr.—Final maps for 16·9 square miles of reserved forests were received. The existing maps were maintained.

Kurnool, East.—The maps referred to in the previous year's reports have been maintained.

Kurnool, West.— Do. do.

Bellary.—The district range and reserve maps have been maintained as usual.

Anantapur.—Final maps for 510 square miles of reserved forests have been supplied by the Survey Department.

Central Circle.

Cuddapah.—The district and taluk maps are maintained and posted up to date. Fair copies of ten reserve maps were prepared during the year and 14 sketches showing special fire-protected blocks were also prepared.

Nellore.—Sketches of final maps for the Kanigiri, Udayagiri, Rapur, Coast and Sríharikóta ranges and five sketches of final maps for the Kávali range were prepared and supplied to Range officers.

Chingleput.—The coupe divisions with their area of 42 blocks of Chingleput range were marked on litho plans and maps showing alteration of coupe lines for the 13 working circles of Chingleput range were prepared. The atlas sheet of the district was posted up to date besides copies for the litho plans of 27 blocks received from the Survey office were supplied to the Range officers, Conservators, Board and Government. Working plan sketches for eight working circles of the Chingleput range were prepared in the year.

North Arcot.—Final maps for 27 square miles have been prepared in the year. Working plan for the whole district has been completed.

South Arcot.—During the year the following maps were prepared:—Copies of two reserve maps were prepared on tracing cloth for the use of Range officers. Alterations in the Odayanatham reserve map as per settlement from sections 4 to 16 were prepared. The boundaries of 18 forests were marked on village survey maps for duplication by the Survey office. Tracing maps of six reserves in which areas planted with Cashew were posted. Demarcations of 36 reserves were posted. Paper outline maps for 41 reserves were prepared for supply to Range officers to prepare estimates and posting of final demarcation. Reserved forests were posted in 18 taluk maps.

North Salem.—The district forest reference and range forest reference maps are maintained. There are Survey of India maps (4″ = 1 mile) for 62 reserved forests, and Madras Survey maps (8″ = 1 mile) for six reserved forests and departmental survey maps (4″=1 mile) for two reserved forests. Working plan maps (4″=1 mile) are also maintained.

South Salem.—The district forest reference map and 2 sets of range forest reference maps, separate maps for each reserve and separate working plan maps were maintained and posted.

Trichinopoly.—The district forest reference map has been maintained. The taluk or range maps have been posted and are maintained. Tracing maps for 8 reserved forests in Kulitalai, for 5 in the Vayyampatti, for 20 in the Musiri, for 19 in the Perambalúr and 16 in the Udayárpálaiyam ranges aggregating in all 129 square miles have been prepared up to the year.

Tanjore.—The district as well as the range reference maps are maintained. Separate maps were prepared for each reserve with topographical features and admitted rights indicated therein. Working plan maps on the 8″ scale are maintained for the Vettangudi reserved forest and the North, South and Neidavasal Casuarina plantations.

Southern Circle.

South Canara.—The district reference map posted up to date and maps for all reserved forests except Bhagimale and Mujimale are maintained.

Nilgiris.—The office reference map has been posted up to date, and the range topo: maps and settlement maps have all been posted. There are separate reserve maps for Mudumalai, Benne and Kumbarakolli forests. Settlement maps for every village with all reserves shown therein in accordance with Section 16 notifications are maintained. Working circle plans for nine reserves are maintained.

North Malabar.—Three copies of Woodstock reserve, three of Ladysmith and three of Nuvine reserve were prepared in the year. Prepared also one copy of Kanoth reserve, two copies each of Ontangadi and Kuruva; one copy of plantation map of Begur range, two copies of Kambanmalai reserve.

South Malabar.—The following maps were prepared in the year. Four copies of the stock maps of Eddacode Working Circle, four copies of soil maps of Aravillicava, Arivacode, Panangodu, Chathamborai and Walluvasheri, four copies of Karimpoya planting map; five copies of Beypore working plan map; reduced map of the Walaghat coffee estate, four copies of Attipadi valley reserve and three copies of Silent valley reserves.

North Coimbatore.—The office reference map, reserve maps for all the reserves in the Erode range (Erode, Dharapuram and Karúr taluks) were prepared. Settlement maps have been supplied to all Range officers for the principal reserves to be used with the topographical sheets.

South Coimbatore.—District forest reference and range reference maps have been maintained in duplicate. Survey of India maps exist for all reserves except Elayamuthur, Dhali, Sankararayapuram, Nellimalai and Avanashi for which there are Madras Survey maps. Separate maps for each of the working circles are also maintained.

Madura.—There are Survey of India maps for almost all the reserves except for eleven reserves.

Tinnevelly.—The district reference map has been posted up to date and final maps for the Naranapuram and Valliyur blocks were prepared and sent to Survey of India for taking fifty copies of each. Gangaikondan reserve map referred to in the last year's report was sent back to the Survey office and returned this year for record in the office.

APPENDIX G.—Statement showing the area of Reserved Forests for which final maps have been prepared.

Districts.	Area of reserved forests.	Area of reserved forests for which final maps have been prepared.
	SQ. MILES.	SQ. MILES.
Ganjám	538	538
Vizagapatam	298	14
Gódávari	867	..
Kistna	280	90
Guntúr	814	463
Kurnool (East)	1,155	1,014
Kurnool (West)	1,380	246
Bellary	601	499
Anantapur	510	510
Cuddapah	2,241	2,241
Nellore	734	332
Chingleput	214	200
North Arcot	1,290	1,282
South Arcot	668	663
North Salem	832	832
South Salem	728	698
Trichinopoly	310	108
Tanjore	20	20
South Canara	674	660
North Malabar	235	235
South Malabar	218	35
The Nilgiris	412	..
North Coimbatore	1,378	461
South Coimbatore	662	662
Madura	616	598
Tinnevelly	437	416
Total ..	18,107	12,811

Annual Form No. 44.

Forest Department, Madras Presidency.

Area of reserved forests and reserved lands during 1904–1905.

District.	Area of reserved forests.						Area of reserved lands.						Total area of reserved forests and reserved lands.
	Area on 1st July 1904.		Added during the year.	Excluded during the year.	Area on 30th June 1905.		Area on 1st July 1904.		Added during the year.	Excluded during the year.	Area on 30th June 1905.		
	Acres.	Equivalent in square miles.	Acres.	Acres.	Acres.	Equivalent in square miles.	Acres.	Equivalent in square miles.	Acres.	Acres.	Acres.	Equivalent in square miles.	
Northern Circle.													Sq. mls.
Ganjám	344,589	538	..	..	344,589	538	38,400	60	95	..	38,495	60	598
Vizagapatam	190,700	298	..	..	190,700	298	30,009	47	..	..	§ 30,009	47	345
Gódávari	609,245	952	323	‡ 54,569	554,999	867	48,750	76	..	300	48,450	76	943
Kistna	116,451	182	8,172 * 54,569	..	179,192	280	8,262	13	170	8,172	260	..	280
Guntúr	512,197	800	3,837 † 5,157	..	521,191	814	3,837	6	18	3,837	18	..	814
Kurnool, East	737,507	1,152	1,673	..	739,180	1,155	2,210	4	..	1,673	537	1	1,156
Kurnool, West	838,846	1,311	44,162	..	883,008	1,380	116,589	182	..	45,065	71,524	112	1,492
Bellary	366,508	573	18,286	..	384,794	601	73,771	115	..	18,972	54,799	86	687
Anantapur	326,089	510	..	..	326,089	510	..	..	6,984	..	6,984	11	521
Total ..	4,042,132	6,316	136,179	54,569	4,123,742	6,443	321,828	503	7,267	78,019	251,076	393	6,836
Central Circle.													
Cuddapah	1,416,525	2,213	18,003	516	1,433,982	2,241	93,760	147	4	19,005	74,759	117	2,358
Nellore	473,786	740	1,481	† 5,157	470,110	734	4,324	7	..	1,518	2,806	4	738
Chingleput	136,788	214	24	..	136,812	214	24	..	..	24	..	..	214
North Arcot	825,409	1,290	..	60	825,349	1,290	333	..	12	..	345	..	1,290
South Arcot	424,650	663	..	..	424,650	663	..	..	..	..	..	..	663
North Salem	532,644	832	..	..	532,644	832	58,426	91	..	..	58,426	91	923
South Salem	466,151	728	..	..	466,151	728	2,759	5	..	..	2,759	5	733
Trichinopoly	192,460	301	5,739	..	198,199	310	9,095	14	484	6,334	3,245	5	315
Tanjore	12,461	20	..	..	12,461	20	..	..	..	..	..	..	20
Total ..	4,480,874	7,001	25,247	5,763	4,500,358	7,032	168,721	264	500	26,881	142,340	222	7,254
Southern Circle.													
South Canara	423,475	662	8,171	19	431,627	674	261,036	408	34	9,537	251,533	393	1,067
North Malabar	147,578	231	2,470	..	150,048	235	16,207	25	900	2,470	14,637	23	258
South Malabar	139,839	218	..	..	139,839	218	42,032	66	..	....	42,032	66	284
The Nilgiris	261,602	408	2,208	..	263,810	412	58,056	91	..	2,246	55,810	87	499
North Coimbatore	882,216	1,378	..	..	882,216	1,378	172,640	270	7,840	..	180,480	282	1,660
South Coimbatore	423,657	662	..	..	423,657	662	..	..	..	..	..	..	662
Madura	390,242	610	5,860	2,081	394,021	616	5,860	9	33,394	5,860	33,394	52	668
Tinnevelly	279,505	437	..	..	279,505	437	453	..	6	..	459	1	438
Total ..	2,948,114	4,606	18,709	2,100	2,964,723	4,632	556,284	869	42,174	20,113	578,345	904	5,536
Grand Total ..	11,471,120	17,923	180,135	62,432	11,588,823	18,107	1,046,833	1,636	49,941	125,013	971,761	1,519	19,626

* Area of reserved forests transferred from Gódávari district.

† Area of reserved forests transferred from Nellore to Guntúr.

‡ Area of reserved forests transferred to Kistna district.

§ This excludes 388,531 acres of forest under the disposal of Government in the Palkonda and Golgonda Agency tracts for the management of which special rules have been framed under section 26 of the Forest Act,

FORM No. 44.

District.	Name of forest.	Area on 1st July 1904. Acres.	Area on 1st July 1904. Equivalent in square miles.	Added during the year. Acres.	Excluded. Acres.	Area on 30th June 1905. Acres.	Area on 30th June 1905. Equivalent in square miles.	Number and date of notification of addition or transfer.
	NORTHERN CIRCLE.							
	Reserved forests.							
Ganjám.	Area notified in previous years ..	344,589	538	..	..	344,589	538	
	Reserved lands not transferred to reserved forests during the year.							
	Agustinowgam A to D blocks ..	..	..	78	..	78	..	No. 327, dated 16th August 1904.
	Ambazora enclosure	..	..	17	..	17	..	No. 101, dated 14th March 1905.
	Area notified in previous years ..	38,400	..	..	..	38,400	..	
	Total ..	38,400	60	95	..	38,495	60	
	Reserved forests.							
Vizagapatam.	Area notified in previous years..	190,700	298	..	..	190,700	298	
	Reserved lands not transferred to reserved forests during the year.							
	Area notified in previous years ..	30,009	47	..	..	30,009	47	
	Reserved forests.							
Gódávari.	(Busipakala enclosure) Marigura reserve.	..	..	323	..	323	..	No. 33, dated 16th January 1905.
	Area notified in previous years..	609,245	..	..	(a) 54,569	554,676	..	
	Total ..	609,245	952	323	54,569	554,999	867	
	Reserved lands not transferred to reserved forests during the year.							
	Area notified in previous years..	48,450	76	..	..	48,450	76	
	Reserved forests.							
Kistna..	Sorlagondi extension No. 1 ..	..	..	4,600	..	4,600	..	No. 276, dated 13th July 1904.
	Interu	..	..	3,572	..	3,572	..	No. 318, dated 9th August 1904.
	Area notified in previous years.	(b)171,020	..	..	..	171,020	..	
	Total ..	171,020	267	8,172	..	179,192	280	
	Reserved lands not transferred to reserved forests during the year.							
	Jangalapalli extension No. 1 ..	..	..	25	..	25	..	No. 50, dated 4th February 1905.
	Do. ,, 2 ..	..	..	5	..	5	..	
	Do. ,, 3 ..	..	..	24	..	24	..	
	Do. ,, 4 ..	..	..	59	..	59	..	
	Do. ,, 5 ..	..	..	57	..	57	..	No. 70, dated 28th February 1905.
	Area notified in previous years..	90	..	..	..	90	..	
	Total ..	90	..	170	..	260	..	
	Reserved forests.							
Guntúr.	Venkatayapalem extension No. V.	..	..	3,837	..	3,837	..	No. 207, dated 13th May 1904.
	Area notified in previous years..	(c)517,354	..	..	..	517,354	..	
	Total ..	517,354	808	3,837	..	521,191	814	
	Reserved lands not transferred to reserved forests during the year.							
	Nidamarru block No. 1-A. extension No. 1.	..	..	8	..	8	..	No. 417, dated 6th December 1904.
	Nidamarru block No. 1-A. extension No. 2.	..	..	10	..	10	..	
	Total ..	..	..	18	..	18	..	

* Twenty-three acres added during the year by rectification.
(a) Area of reserved forests transferred to Kistna.
(b) Includes 54,569 acres of reserved forests transferred from Gódávari district.
(c) Includes 5,157 acres of reserved forests transferred from Nellore district.

District.	Name of forest.	Area on 1st July 1904.		Added during the year.	Excluded	Area on 30th June 1905.		Number and date of notification of addition or transfer.
		Acres.	Equivalent in square miles.	Acres.	Acres.	Acres.	Equivalent in square miles.	
	NORTHERN CIRCLE—*cont.*							
	Reserved forests.							
Kurnool, East.	Tokapalli extension	..	..	499	..	499	..	No. 226, dated 25th May 1904.
	Chinaganipalle	..	..	1,174	..	1,174	..	No. 328, dated 23rd August 1904.
	Area notified in previous years ..	737,507	..	..	..	737,507	..	
	Total ..	737,507	1,152	1,673	..	739,180	1,155	
	Reserved lands not transferred to reserved forests during the year.							
	Area notified in previous years..	537	..	..	..	537	1	
	Reserved forests.							
Kurnool, West.	Ramavaram	..	..	2,267	..	2,267	..	No. 264, dated 30th June 1904.
	Owk	..	..	31,853	..	31,853	..	No. 312, dated 1st August 1904.
	Madhavaram	..	..	6,387	..	6,387	..	No. 409, dated 17th November 1904.
	Yerragudi	..	..	3,655	..	3,655	..	No. 420, dated 3rd December 1904.
	Area notified in previous years..	838,846	..	..	..	838,846	..	
	Total ..	838,846	1,311	44,162	..	883,008	1,380	
	Reserved lands not transferred to reserved forests during the year.							
	Area notified in previous years..	72,427	113	..	(*d*) 903	71,524	112	
	Reserved forests.							
Bellary.	Haladahalli A and B	..	..	251	..	251	..	No. 364, dated 3rd October 1904.
	Sheliyappanahalli	..	..	4,204	..	4,204	..	No. 398, dated 21st November 1904.
	Gudekota extension	..	..	1,642	..	1,642	..	No. 410, dated 16th December 1904.
	Jaramalai	..	..	3,386	..	3,386	..	No. 34, dated 12th January 1905.
	Choranur	..	..	5,220	..	5,220	..	No. 45, dated 30th January 1905.
	Hosahalli	..	..	3,583	..	3,583	..	No. 46, dated 31st January 1905.
	Area notified in previous years ..	366,508	..	..	..	366,508	..	
	Total ..	366,508	573	18,286	..	384,794	601	
	Reserved lands not transferred to reserved forests during the year—Nil.							
	Area notified in previous years..	55,156	87	..	(*d*) 357	54,799	86	
	Reserved forests.							
Anantapur.	Area notified in previous years..	326,089	510	..	..	326,089	510	
	Reserved lands not transferred to reserved forests during the year.							
	Yerlampalli addition	..	..	361	..	361	..	No. 357, dated 21st September 1904.
	Muchukota additions Nos I to VII.	..	..	47	..	47	..	No. 84, dated 7th March 1905.
	Yadiki addition Nos. I to VIII.	..	..	871	..	871	..	
	Illur extension	..	..	23	..	23	..	No. 145, dated 4th April 1905.
	Pamidi hill	..	..	11	..	11	..	No. 163, dated 10th April 1905.
	Molakatala addition	..	..	712	..	712	..	No. 177, dated 25th April 1905.
	Dokkalakonda addition I ..	..	..	9	..	9	..	No. 189, dated 4th May 1905.
	Jumbugumpula	..	..	4,950	..	4,950	..	No. 190, dated 4th May 1905.
	Area notified in previous years ..	..	..	..	..	..	..	
	Total ..	..	..	6,984	..	6,984	11	

(*d*) Excluded at settlment.

District.	Name of forest.	Area on 1st July 1904.		Added during the year.	Excluded.	Area on 30th June 1905.		Number and date of notification of addition or transfer.
		Acres.	Equivalent in square miles.	Acres.	Acres.	Acres.	Equivalent in square miles.	
	CENTRAL CIRCLE.							
	Reserved forests.							
Cuddapah	Papepalli, West	..	..	3,320	..	3,320	..	No. 432, dated 9th December 1904.
	Idupulapaya extension	..	..	10,223	..	10,223	..	No. 115, dated 18th March 1905.
	Sangasamudram	..	..	4,047	..	4,047	..	No. 137, dated 24th March 1905 and 5th October 1904.
	Sancherla Extension B	..	..	(a) 413	..	413	..	No. 192, dated 6th May 1905.
	Kavalakuntlas, North	..	..	..	(b) 546	..	..	Do.
	Area notified in previous years	1,416,525	..	..	..	1,415,979	..	
	Total	1,416,525	2,213	18,003	546	1,433,982	2,241	
	Reserved lands not transferred to reserved forests during the year.							
	Survey No. 281-4 of Diguvakalavatala.	..	..	4	..	4	..	No. 69, dated 23rd February 1905.
	Area notified in previous years	76,170	..	..	(c) 1,415	74,755	..	
	Total	76,170	119	4	1,415	74,759	117	
	Reserved forests.							
Nellore.	Mungamur tope	..	..	92	..	92	..	No. 245, dated 9th June 1904.
	Kadaunthala A and B	..	..	272	..	272	..	No. 285, dated 9th July 1904.
	Kolladinne tope	..	..	287	..	287	..	No. 354, dated 21st September 1904.
	Lingamgunta tope	..	..	830	..	830	..	No. 371, dated 11th October 1904.
	Area notified in previous years	473,786	..	..	(d) 5,157	468,629	..	
	Total	473,786	740	1,481	5,157	470,110	734	
	Reserved lands not transferred to reserved forests during the year.							
	Area notified in previous years	2,843	4	..	(c) 37	2,806	4	
	Reserved forests.							
Chingleput.	Wallaja tope	..	..	24	..	24	..	No. 247, dated 9th June 1904.
	Area notified in previous years	136,788	..	..	..	136,788	..	
	Total	136,788	..	24	..	136,812	214	
	Reserved lands not transferred to reserved forests during the year—Nil.							
	Reserved forests.							
North Arcot.	Area notified in previous years	825,409	1,290	..	(e) 60	825,349	1,290	No. 338, dated 21st September 1904.
	Reserved lands not transferred to reserved forests during the year.							
	Chittapara extension E	..	..	12	..	12	..	No. 32, dated 6th January 1905.
	Area notified in previous years	333	..	..	..	333	..	
	Total	333	..	12	..	345	..	
	Reserved forests.							
South Arcot.	Area notified in previous years	424,650	663	..	..	424,650	663	
	Reserved lands not transferred to reserved forests during the year—Nil.							
	Reserved forests.							
North Salem.	Area notified in previous years	532,644	832	..	..	532,644	832	
	Reserved lands not transferred to reserved forests during the year.							
	Area notified in previous years	58,426	91	..	..	58,426	91	

(a) Newly added. (b) Disafforested. (c) Excluded at settlement.
(d) Area of forests transferred to Guntúr district. (e) Portion of Nedunkunam reserve disafforested.

District.	Name of forest.	Area on 1st July 1904. Acres.	Area on 1st July 1904. Equivalent in square miles.	Added during the year. Acres.	Excluded. Acres.	Area on 30th June 1905. Acres.	Area on 30th June 1905. Equivalent in square miles.	Number and date of notification of addition or transfer
	CENTRAL CIRCLE—*cont.*							
	Reserved forests.							
South Salem.	Area notified in previous years..	466,151	728	..	..	466,151	728	
	Reserved lands not transferred to reserved forests during the year.							
	Area notified in previous years ..	2,759	5	..	..	2,759	5	
	Reserved forests.							
Trichinopoly.	Nakkasalem	..	..	2,750	..	2,750	..	No. 206, dated 18th May 1904.
	Velur	..	..	2,989	..	2,989	..	No. 356, dated 19th September 1904.
	Area notified in previous years ..	192,460	..	..	..	192,460	..	
	Total ..	192,460	301	5,739	..	198,199	310	
	Reserved lands not transferred to reserved forests during the year.							
	Upper Anicut padugai	..	..	484	..	484	..	No. 418, dated 6th December 1904.
	Area notified in previous years ..	3,356	..	..	* 595	2,761	..	
	Total ..	3,356	5	484	595	3,245	5	
	Reserved forests.							
Tanjore.	Area notified in previous years..	12,461	20	..	..	12,461	20	
	Reserved lands not transferred to reserved forests during the year—Nil.							
	SOUTHERN CIRCLE.							
	Reserved forest.							
South Canara.	Kunthur	..	..	3,627	..	3,627	..	No. 185, dated 30th April 1904.
	Karadka	..	..	2,859	..	2,859	..	No. 275, dated 13th July 1904.
	Balimane extension I	..	..	13	..	13	..	No. 324, dated 20th August 1904.
	Narimagor	..	..	1,583	..	1,583	..	No. 419, dated 6th December 1904.
	Balimane extension II	..	..	89	..	89	..	No. 37, dated 20th January 1905.
	Area notified in previous years.	423,475	..	..	19	423,456	..	
	Total ..	423,475	662	8,171	19	431,627	674	
	Reserved lands not transferred to reserved forests during the year.							
	Sampaje	14,467	..	..	..	14,467	..	No. 333, dated 8th August 1904.
	Kiribag	11,442	..	..	..	11,442	..	
	Aletti I	3,264	..	..	..	3,264	..	
	Aletti II	4,695	..	..	..	4,695	..	No. 339, dated 2nd September 1904.
	Pumale	5,557	..	..	..	5,557	..	
	Medinadka	4,405	..	..	..	4,405	..	
	Todikan	3,987	..	..	..	3,987	..	No. 352, dated 16th September 1904.
	Nalkur	7,599	..	..	..	7,599	..	
	Jalsur	3,326	..	..	..	3,326	..	No. 365, dated 5th October 1904.
	Tenkahola extension	..	..	5	..	5	..	No. 407, dated 16th November 1904.
	Devachalla..	3,837	..	..	..	3,837	..	No. 431, dated 9th December 1904.
	Anegundi	3,658	..	..	..	3,658	..	No. 97, dated 9th March 1905.
	Balimane extension III	..	..	3	..	3	..	No. 98, dated 9th March 1905.
	Area notified in previous years..	186,628	..	26	*297 †1,069	185,288	..	
	Total ..	252,865	395	34	1, 366	251,533	393	

* Excluded at settlement. † Rectification.

District.	Name of forest.	Area on 1st July 1904. Acres.	Area on 1st July 1904. Equivalent in square miles.	Added during the year. Acres.	Excluded. Acres.	Area on 30th June 1905. Acres.	Area on 30th June 1905. Equivalent in square miles.	Number and date of notification of addition or transfer.
	SOUTHERN CIRCLE—*cont.*							
	Reserved forests.							
North Malabar.	Ladysmith	..	..	2,470	..	2,470	..	No. 297, dated 27th July 1904.
	Area notified in previous years ..	147,578	..	..	..	147,578	..	
	Total ..	147,578	231	2,470	..	150,048	235	
	Reserved lands not transferred to reserved forests during the year.							
	Nemmmadi	..	..	900	..	900	..	No. 408, dated 16th November 1904.
	Area notified in previous years ..	13,737	..	..	..	13,737	..	
	Total ..	13,737	22	900	..	14,637	23	
	Reserved forests.							
South Malabar.	Area notified in previous years ..	139,839	218	..	..	139,839	218	
	Reserved lands not transferred to reserved forests during the year.							
	Panakadan	1,106	..	..	..	1,106	..	No. 883, dated 16th August 1904.
	Area notified in previous years ..	40,926	..	..	..	40,926	..	
	Total ..	42,032	66	..	..	42,032	66	
	Reserved forests.							
Nilgiris.	Neyatti addition No. I	..	..	43	..	43	..	
	Kodamalai reserve No. II ..	..	..	18	..	18	..	
	Beragani	..	..	1,053	..	1,053	..	No. 263, dated 29th June 1904.
	Lady Canning's Seat	..	..	133	..	133	..	
	Andathorai addition No. II ..	..	..	58	..	58	..	
	Chirambadi addition No. II ..	..	..	10	..	10	..	No. 190, dated 6th May 1904.
	Do. ,, III ..	..	..	10	..	10	..	
	Do. ,, IV ..	..	..	8	..	8	..	
	Ammankaval reserve addition ..	..	..	3	..	3	..	
	Paruvakadavu	..	..	641	..	641	..	No. 397, dated 22nd October 1904.
	Santhi	..	..	16	..	16	..	No. 430, dated 10th December 1904.
	Denad reserve addition No. I ..	..	..	125	..	125	..	No. 85, dated 6th March 1905.
	Mavada reserve addition No. II.	..	..	90	..	90	..	Do.
	Area notified in previous years ..	261,602	..	..	..	261,602	..	
	Total ..	261,602	408	2,208	..	263,810	412	
	Reserved lands not transferred to reserved forests during the year.							
	Area notified in previous years ..	55,848	87	..	*38	55,810	87	
	Reserved forests.							
North Coimbatore.	Area notified in previous years ..	882,216	1,378	..	..	882,216	1,378	
	Reserved lands not transferred to reserved forests during the year.							
	Pachapalimalai	..	..	7,840	..	7,840	..	No. 99, dated 14th March 1905.
	Area notified in previous years ..	172,640	..	..	..	172,640	..	
	Total ..	172,640	270	7,840	..	180,480	282	
	Reserved forests.							
South Coimbatore.	Area notified in previous years ..	423,657	662	..	..	423,657	662	
	Reserved lands not transferred to reserved forests during the year—Nil.							

* Excluded at settlement.

Range.	Name of forest.	Area on 1st July 1904. Acres.	Area on 1st July 1904. Equivalent in square miles.	Added during the year. Acres.	Excluded. Acres.	Area on 30th June 1905. Acres.	Area on 30th June 1905. Equivalent in square miles.	Number and date of notification of addition or transfer.
	SOUTHERN CIRCLE—*cont.*							
	Reserved forests.							
Madura.	Gundar valley extension ..	..	...	5,860	..	5,860	..	No. 325, dated 16th August 1904.
	Kuchukaradu	2,080	..	..	* 2,080	..	..	No. 193, dated 6th May 1905.
	Area notified in previous years..	388,162	..	..	1	388,161	..	No. 52, dated 17th January 1905.
	Total ..	390,242	610	5,860	2,081	394,021	616	
	Reserved lands not transferred to reserved forests during the year.							
	Ampthill Downs	..	..	33,382	..	33,382	..	No. 385, dated 16th August 1904.
	Survey numbers of Kilakkuchettipatti.	..	..	12	..	12	..	No. 100, dated 14th March 1905.
	Area notified in previous years..	..	..	..	..	..	..	
	Total ..	..	..	33,394	..	33,394	52	
	Reserved forests.							
Tinnevelly.	Area notified in previous years..	279,505	437	..	..	279,505	437	
	Reserved lands not transferred to reserved forests during the year.							
	Nadugani, second bit	..	..	6	..	6	..	No. 296, dated 26th July 1904.
	Area notified in previous years..	453	..	..	..	453	..	
	Total ..	453	..	6	..	459	1	

* Disafforested.

FORM

Forest Department,

STATEMENT showing the Progress made in, and the Expenditure

Name of forest district.	Area already settled at commencement of year.	Areas finally settled during the year.					
		Number and date of Government Order according final sanction to the settlement.	Name of forest settled.	Area.	Expenditure incurred during the year on areas finally settled.		Entire cost per square mile of areas finally settled during the year.
					In forest accounts.	In other accounts.	
1	2	3	4	5	6	7	8
							Northern
	SQ. MLS.			SQ. MLS.	RS. A. P.	RS.	RS. A. P.
Ganjám ..	538	....	....	..	..	..	..
Vizagapatam.	298	....	....	..	..	..	..
Gódávari ..	952 — 85 (*b*).	No. 32, Revenue, dated 16th January 1905.	Marigura reserve (Busipakalu enclosure).	·46	..	..	..
		No. 647, dated 15th July 1905.	Lakkavaram addition ..	·77	..	..	..
			Total ..	1·23	..	..	..
Kistna ..	267·21	No. 739, dated 13th July 1904.	Sorlagandi extension I ..	7·19	..	4,078	..
		No. 858, dated 9th August 1904.	Interu	5·58			..
		No. 643, dated 14th July 1905.	Jaggayapet extension IV ..	0·14			..
			Total ..	12·91	..	4,078	313 12 0
Guntúr ..	814	....	....	..			
Kurnool, East.	1,152·36	No. 530, dated 25th May 1904.	Tokapalli extension	·78	41 7 0	..	..
		No. 902, dated 16th August 1904.	Chinaganipalli	1·83	..	..	..
		No. 290, dated 27th March 1905.	Baddivid extension (*d*) ..	0·84	..	..	..
			Total ..	3·45	41 7 0 + (*c*) 1,112 11 2	..	..
Kurnool, West.	1,310·75	No. 689, dated 30th June 1904.	Ramavaram reserve	3½	77 0 0	..	..
		No. 827, dated 1st August 1904.	Owk reserve	49¾	108 0 0	..	..
		No. 1272, dated 17th November 1904.	Madhavaram reserve	10	299 0 0	..	..
		No. 1330, dated 3rd December 1904.	Yerragudi reserve	5½	..	..	..
		No. 580, dated 21st June 1905.	Voddamanu reserve (*d*) ..	2	..	..	..
			Total ..	70¾	484 0 0 + (*c*) 1,570 0 0	..	..

(*a*) Less than a square mile.

(*b*) Transferred to the Kistna district during the year.

No. 45.

Madras Presidency.

incurred on, Forest Settlements during 1904–1905.

Areas undergoing settlement.						Estimate of areas in which settlement operations have not yet commenced.
At commencement of the year.		Taken in hand during the year.		Expenditure incurred during the year on areas undergoing settlement.		
Name of tract.	Area.	Name of tract.	Area.	In forest accounts.	In other accounts.	
9	10	11	12	13	14	15
Circle.						
	SQ. MLS.		SQ. MLS.	RS.	RS. A. P.	SQ. MLS.
Pondakhol	60	Agustinowgam extension A to D.	(a)	..	423 6 8	..
		Ambazora enclosure		..		..
....	..	....	..	..	..	17
Coringa	75	....	..	..	176 6 9	..
		Jangalapalli extension I ..	·04			
		Do. do. II ..	·01			
....	..	Do. do. III ..	·04	..	157	..
		Do. do. IV ..	·09			
		Do. do. V ..	·09			
Total ..	..	Total ..	·27	..	157	..
		Nidamarru block No. I Extension I (a).	0·03	..	..	..
		Nidamarru block No. II Extension I.				
....	..	....	..	..	..	..
Total ..	..	Total ..	..	..	..	..
Gani	88	....	..	668	..	..
Lanjabanda extension ..	5	....	..	..	..	..
Yemboyi	5	....	..	..	..	..
Owk extension	1	....	..	..	..	..
Rangapuram	11		..	..	..	..
Total ..	110	Total ..	..	668	..	..

(*c*) Spent on areas finally settled in previous years. (*d*) Reservation takes effect after the close of the year.

Statement showing the Progress made in, and the Expenditure

Name of forest district.	Area already settled at commencement of year.	Areas finally settled during the year.					
		Number and date of Government Order according final sanction to the settlement.	Name of forest settled.	Area.	Expenditure incurred during the year on areas finally settled.		Entire cost per square mile of areas finally settled during the year.
					In forest accounts.	In other accounts.	
1	2	3	4	5	6	7	8
	SQ. MLS.			SQ. MLS.	RS. A. P.	RS.	RS. A. P.
Northern							
Bellary ..	573	No. 1112, dated 3rd October 1904.	Haladahalli A and B blocks ..	28½	346 0 0	493	29 7 6
		No. 1270, dated 16th November 1904.	Gudekota extension				
		No. 1298, dated 21st November 1904.	Sheliyappanahalli				
		No. 25, dated 12th January 1905.	Jaramali block				
		No. 72, dated 30th January 1905.	Choranur block				
		No. 80, dated 31st January 1905.	Hosahalli block				
		No. 648, dated 15th July 1905.	Jammanabonahalli	13			
			Total ..	41½	..	..	..
Anantapur ..	510	....	....	..	..	..	..
			Total ..	..	..	..	..
Central							
Cuddapah ..	2,214	No. 1122, dated 5th October 1904.	Sangasamudram	6	..	..	..
		No. 1348, dated 9th December 1904.	Papepalli West	5	..	..	..
		No. 254, dated 18th March 1905.	Idupulapaya extension ..	16	..	..	..
		No. 777, dated 23rd August 1905.	Papepalli East	5	..	..	..
		No. 877, dated 15th September 1905.	Survey No. 281-4 of Diguvakalvatala.	(a) ..	..	..	..
			Total ..	32	..	..	..
Nellore ..	740·19 (b)—8	No. 603, dated 9th June 1904.	Mungamur tope	·14	..	..	..
		No. 763, dated 19th July 1904.	Kadanuthala blocks A and B.	·42	..	..	..
		No. 1051, dated 21st September 1904.	Kolladinne tope	.45	..	..	..
		No. 1140, dated 11th October 1904.	Lingamgunta tope	1·30	..	..	..
		No. 300, dated 29th March 1905.	Anemadugu Chennayapalem tope (d)	4·38	..	..	..
			Total ..	6·69	1 0 0	..	..
Chingleput.	214	....	....	..	..	..	..
North Arcot.	1,289·61	....	....	..	..	..	..
South Arcot.	663	....	....	..	..	..	..

(a) Less than a square mile. (b) Transferred to Guntûr district.

incurred on, Forest Settlements during 1904–1905—*cont.*

Areas undergoing settlement.						Estimate of areas in which settlement operations have not yet commenced.
At commencement of the year.		Taken in hand during the year.		Expenditure incurred during the year on areas undergoing settlement.		
Name of tract.	Area.	Name of tract.	Area.	In forest accounts.	In other accounts.	
9	10	11	12	13	14	15
Circle—cont.						
	SQ. MLS.		SQ. MLS.	RS.	RS. A. P.	
Halasagaram	8·81	....	..	..	..	....
Tonashigiri	1·99	....	..	..	..	....
Total ..	10·80	Total ..	..	..	..	
....	..	Muchukota addition Nos. 1 to 7.	0·07	..	176 6 9	97
	..	Yadiki addition Nos. 1 to 8 ..	0·04			
	..	Molakotalla addition No. 1 ..	0·02			
	..	Dakkalakonda addition No. 1.	0·01			
	..	Yeralampalli addition ..	0·56			
	..	Illur extension	1·36			
	..	Pamidi hill	1·12			
	..	Jumbugumpula	7·73			
Total ..	..	Total ..	10·91	..	176 6 9	
Circle.						
Ganganapalli extension ..	52	....	..	..	..	
Seshachalam extension A ..	60	....	..	..	..	
		....	..	..	..	
Total ..	112		..	..	..	
		....	..	..	..	
Total ..		Total ..	..	..	..	
....	..	....	..	..	..	
Whitesides garden	·1	Chittapara E block	0·17	..	..	
....	..	....	..	..	..	

(*d*) Reservation takes effect after the close of the year.

Statement showing the Progress made in, and the Expenditure

Name of forest district.	Area already settled at commencement of year.	Areas finally settled during the year.					
		Number and date of Government Order according final sanction to the settlement.	Name of forest settled.	Area.	Expenditure incurred during the year on areas finally settled.		Entire cost per square mile of areas finally settled during the year.
					In forest accounts.	In other accounts.	
1	2	3	4	5	6	7	8
	SQ. MLS.			SQ. MLS.	RS. A. P.	RS.	RS. A. P.
Central							
North Salem.	832	....	....	..	..	..	..
			Total ..	..	..	..	..
South Salem.	728·36	....	....	..	..	..	..
Trichinopoly.	301·29	No. 1041, dated 19th September 1904.	Velur	5·06	..	2,253	..
		No. 614, dated 4th July 1905.	Sengattupatti extension ..	2·53	..		
			Upper Anicut padugai ..	·75	..	537	..
			Total ..	8·34	..	(b) 2,790	334 0 0
Tanjore ..	20	....	....	..	..	..	..
Southern							
South Canara.	662	No. 404, dated 30th April 1904.	Kunthur	6	25 0 11	..	..
		No. 738, dated 13th July 1904.	Karadka	5			
		No. 921, dated 20th August 1904.	Ballimane extension I ..	(a) ..			
		No. 1342, dated 6th December 1904.	Narimogor	2			
		No. 49, dated 20th January 1905.	Ballimane extension II ..	(a) ..			
		No. 202, dated 3rd March 1905.	Naravi extension IV ..	(a) ..			
		....	....	..	..	..	..
		....	....	..	..	..	..
		....	....	..	..	..	..

Incurred on, Forest Settlements during 1904–1905—*cont.*

Areas undergoing settlement.						Estimate of areas in which settlement operations have not yet commenced.
At commencement of the year.		Taken in hand during the year.		Expenditure incurred during the year on areas undergoing settlement.		
Name of tract.	Area.	Name of tract.	Area.	In forest accounts.	In other accounts.	
9	10	11	12	13	14	15

Circle—cont.

	SQ. MLS.		SQ. MLS.	RS. A. P.	RS. A. P.	SQ. MLS.
Urigam	15	....	..	..	..	
Kempakarai	11	....	..	..	..	
Hulibanda	14⅜	....	..	..	..	
Hudsidurgam	45⅝	....	..	..	..	
Mangalam South extensions, bits 1 and 2.	4½	....	..	..	(*b*)1,941	
Total ..	91	Total ..	..	..	1,941	
Nagur extension	4·31	....	..	..	..	
Mogavanur	1·78	....	...	..	..	
Total ..	..	Total ..	..	..	..	
....	..	....	..	..	..	

Circle.

Hole Someshwar	3	Tenkahola extension	(*a*) ..			
New Someshwar	4	Sampage	23			
Kalanjimale	5	Kiribag	18			
Virakambha	3	Aletti I	5			
Kilarmale	15	Pumale	9			
Varwadi	1	Medinadka	7			
Dondalarabi	2	Aletti II	7			
Kunthur extension	(*a*) ..	Todikan	6			
Mandakol	12	Nalkur	12			
Aivarnadu	3	Jalsur	5			
Adur	8	Devachala	6			
Kanyarmale	5	Anegundi	6			
Kallapattamale	2	Bantamale extension ..	(*a*) ..			
Kodialmale	1	....	..			
Kilarmale extension	(*a*) ..	....	..		(*b*)	
Subramanya	11	....	..	336 0 3	2,252 7 8	
Paikadamale	2	....	..			
Bakudihola extension ..		....	..			
Tombattu extension		....	..			
Naravi extension I ..	(*a*) ..	....	..			
Do. II ..		....	..			
Do. III ..		....	..			
Mundajekap	1	....	..			
Bantamale	5	....	..			
Yenekal	5	....	..			
Irde	3	....	..			
Dolpady	2	....	..			
Enmurru	5	....	..			
Balpa	3	....	..			
Aranthakallu	1	....	..			
Mandakol extension	(*a*) ..	....	..			
Total ..	102	Total ..	104	336 0 3	2,252 7 8	
Kottiyur	21·43	Neminad	1·441	2,975 0 0	(*b*) 1,126 0 0	
The Silent valley	45	Panakadan	2	183 0 0	(*b*) 1,126 0 0	

(*b*) In the account of the Forest Settlement-officer.

Statement showing the Progress made in, and the Expenditure

Name of forest district.	Area already settled at commencement of year.	Areas finally settled during the year.					
		Number and date of Government Order according final sanction to the settlement.	Name of forest settled.	Area.	Expenditure incurred during the year on areas finally settled.		Entire cost per square mile of areas finally settled during the year.
					In forest accounts.	In other accounts.	
1	2	3	4	5	6	7	8
							Southern
	SQ. MLS.			ACS.		RS. A. P.	
The Nilgiris.	410·84	No. 1180, dated 22nd October 1904.	Paravakadvu	641	..	..	..
		No. 1355, dated 10th December 1904.	Santhi	16	..	..	..
		No. 205, dated 6th March 1905.	Denad reserve addition I ..	125	..	..	..
		Do.	Mavada reserve addition II.	90	..	..	..
		No. 362, dated 25th April 1905.	* Auduthorai reserve addition I.	35	..	..	..
		No. 362, dated 25th April 1905.	* Kodanad valley Shola addition II.	170	..	..	..
			Total ..	1,077 acres or 1·68 sq. miles.	..	..	..
North Coimbatore.	1,378	....	....	..	..	..	..
South Coimbatore.	661·96	....	....	..	..	..	..
Madura ..	609·75 †— 3·25	No. 1053, dated 22nd September 1904.	Gundar valley extension ..	9·156	..	(δ) 2,252 7 8	..
Tinnevelly ..	436·724	No. 553, dated 14th June 1905.	* Jadikai tottam	0·004	..	..	..
		Do.	* Kulisalkidai	0·002	..	..	..
		Do.	* Nadugani second bit.. ..	0·01	..	..	..
			Total ..	0·016	..	..	..

(δ) As per Forest Settlement-officer's figures.

* Notified during the year but reservation takes effect subsequent to the close of the year.

† Disafforested during the year.

incurred on, Forest Settlements during 1904–1905—*cont.*

Areas undergoing settlement.						Estimate of areas in which settlement operations have not yet commenced.
At commencement of the year.		Taken in hand during the year.		Expenditure incurred during the year on areas undergoing settlement.		
Name of tract.	Area.	Name of tract.	Area.	In forest accounts.	In other accounts.	
9	10	11	12	13	14	15
Circle—cont.						
	SQ. MLS.		SQ. MLS.		RS. A. P.	SQ. MLS.
Kambatti block	736 acres or 1·15 square miles.	....	..	..	(*b*) 2,252 7 7	
Total ..	..	Total ..	..	..	2,252 7 7	
Madeswaramalai	246	Pachapalimalai	12¼	..	(*b*) 4,016 11 6	
Ennamangalam	16	....	..	..	..	
....	..	....	..	..	..	
		Ampthill Downs reserve ..	52·159	..	(*b*) 1,063 13 4	
....	..	Certain survey numbers of Kilakkuchettipatty village.	·018	..	..	
Vaiyur tank block	0·247	....	..	..	..	
Naranapuram block	0·439	....	..	..	(*c*)	
Ladan tottam	0·016	....	..	..		
Total ..	0·702	Total ..	..	..	..	

(*c*) No expenditure was incurred as the settlement was made by the local Divisional officers.

Form No. 46.

Forest Department, Madras Presidency.

Record of Demarcation and Maintenance of Boundaries.

District.	Length of boundaries artificially demarcated during the year.	Length of previously existing boundaries repaired.	Length of previously existing boundaries not repaired.	Total length of artificially marked boundaries at the close of the year.	Length of boundaries still to be demarcated at close of year.	Length of natural boundaries not requiring marks.	Total length of boundaries at the close of the year.	Expenditure on demarcation during the year.	
								On new work.	On repairs.
1	2	3	4	5	6	7	8	9	10
Northern Circle.	MILES.	MILES.	MILES.	MILES.	MILES.	MILES.	MILES.	RS.	RS.
Ganjám (*a*)	...	307 (*b*)322	534	1,163	...	80	(*p*)1,243	...	(*c*)923 —1*
Vizagapatam	57	208	185	450	(*d*) ...	...	450	372	...
Gódávari	115	941	130	1,186	11	218	(*f*)1,415	2,502 (*e*)560	...
Kistna	5	14	474	493	4	41	538	133 (*e*)389 (*g*)240	68
Guntúr	68	36	1,260	1,364	...	...	1,364	782 (*e*)893 (*g*)72	213 —17*
Kurnool, East	90	300	723	1,113	19	79	1,211	854	(*h*)309
Do. West	244	256	400	900	71	86	1,057	3,219	(*h*)102
Bellary (*i*)	22	65	1,591	1,678	48	...	1,726	(*h*)114	126 —15*
Anantapur (*j*)	19	114	1,186	1,319	(*k*) ...	...	1,319	148	1,510
Total, Northern Circle ...	620	2,241 (*b*)322	6,483	9,666	153	504	10,323	10,278	3,218
Central Circle.									
Cuddapah	16	30	3,462	3,508	34	...	3,542	(*h*)100 (*l*) 57	78
Nellore (*m*)	79	24 (*b*)1,954	...	2,057	17	84	2,158	558	66 —(*r*)21
Chingleput	...	703	221	924	...	...	924	...	67 (*q*)273 (*b*)512
North Arcot	7	5 (*b*)2,363	59	2,434	...	44	2,478	(*n*)40 18	41
South Arcot	27	20 (*b*)689	1,516	2,252	110	...	2,362	(*q*)536 (*h*) 22	296 +1*
North Salem	30	1,087	212	(*o*)1,329	66	39	1,434	494	52 —1*
South Salem	9	158 (*b*)880	175	1,222	11	5	1,238	(*n*)73 (*g*)140 74	79
Tanjore	...	...	79	79	...	...	79	...	21
Trichinopoly	100	444	609	1,153	116	33	1,302	1,400	504
Total, Central Circle ...	268	2,471 (*b*)5,886	6,333	14,958	354	205	15,517	3,512	1,968
Southern Circle.									
South Canara	294	1	2,776	3,071	434	110	3,615	(*h*) 2,511	7
North Malabar	382	639	...	1,021	90	26	1,137	315	4,054 —162*
South do.	...	7	161	168	27	112	307	...	26
The Nilgiris	84	51	1,429	1,564	20	255	1,839	966	(*h*) 708
North Coimbatore (*s*)	90	8	994	1,092	2	223	1,317	(*h*) 647	240
South do.	...	12	503	515	...	77	592	...	142 (*g*) 70
Madura	15	122 (*b*) 410	1,007	1,554	38	140	(*p*) 1,732	120	3,822 —(*r*) 317
Tinnevelly	...	...	557	557	25	17	599	400	82
Total, Southern Circle ...	865	840 (*b*) 410	7,427	9,542	636	960	11,138	4,959	8,772
Grand Total ...	1,753	5,552 (*b*) 6,618	20,243	34,166	1,143	1,669	36,978	18,749	13,958

N.B.—Boundaries include, beside the outer perimeter, the limits of enclosures of private or other lands within the forests, but not the limits of sub-divisions, such as blocks, compartments, coupes.

* Added or deducted as per Accountant-General's audited figures.

(*a*) The variation between the total of the figures in columns 3 and 4 and column 5 of the previous year's return is reported to be due to the addition in column 3 of 10 miles length of boundary which had really been demarcated to some extent previously.

(*b*) Cleared by the Forest subordinates free of cost.

(*c*) Includes Rs. 112 spent on demarcation of reserved lands and of interior boundaries.

(*d*) The figure 107 miles entered in column 6 of the previous year's return is reported to be incorrect and the correct length is said to be 57 miles—*vide* entry in column 2 of this year's return.

(*e*) Establishment charges.

(*f*) Total length as entered in column 8 of the previous return was 1,548 miles. The difference of 133 miles is said to be due to the transfer of the portion to the Kistna district.

(*g*) Cost of cutting coupe and compartment lines.

(*h*) Includes or represents cost of cairns.

(*i*) The variation between the total of the figures in columns 3 and 4 and the figure in column 5 of the previous year's return is due partly to the rectification of boundaries of certain blocks and partly to the exclusion in the return the length of grazing blocks wrongly included in previous year's return.

(*j*) The variation between the total of the figures in columns 3 and 4 and the figure in column 5 of the previous year's return is due to the adoption of revised figures.

(*k*) The correct figure cannot be entered as mistakes are being frequently discovered.

(*l*) Represents expenditure incurred on the demarcation of certain land.

(*m*) The variation between the total of the figures in columns 3 and 4 and the figure in column 5 of the previous year's return is due to the exclusion in the return for the year under review of 19 miles, being the length of the boundary lines of the reserves of the Ongole taluk transferred to the new Guntúr district.

(*n*) Cost of rectification of boundaries.

(*o*) Incorrectly entered in the district return as 1,105. The figures in column 8 have been revised accordingly.

(*p*) Revised figure.

(*q*) Includes cost of slabs for the 27 miles demarcated and demarcation of tope.

(*r*) Represents expenditure under sub-head A-II or cash recovery or both.

(*s*) The variation between the total of the figures in columns 3 and 4 and the figure in column 5 of the previous year's return is due to the adoption of revised figures.

Form No. 47.

Forest Department, Madras Presidency.

Statement of Forest Areas surveyed and under survey during the year 1904–1905.

District.	Areas surveyed and under survey during the year 1904–1905.															
	Special Surveys—Maps on 4-inch scale or over by Survey of India Department or Madras Survey.								Ordinary, included in district surveys.							
	With interior details.					Boundary surveys.			With interior details.					Boundary surveys.		
	With details of growing stock.		Without details of growing stock.		Total cost.				With details of growing stock.		Without details of growing stock.		Total cost.			
	Previous.	Of year.	Previous.	Of year.		Previous.	Of year.	Total cost.	Previous.	Of year.	Previous.	Of year.		Previous.	Of year.	Total cost.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
Northern Circle.	S. MLS.		S. MLS.	S. MLS.	RS.	L. MLS.		RS.			S. MLS.			L. MLS.	L. MLS	
Ganjám	..	..	..	..	..	390	..	1,334	390	..	..	..	..	..	..	..
Vizagapatam	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Gódávari	..	..	192	..	19,677	252	..	795	..	..	..	..	..	..	..	..
Kistna	..	..	..	1,568	20	..	..	..	..	..	..	..	..	..	..	..
Guntúr	..	..	77	..	3,540	27	..	341	..	..	52	..	..	118	..	..
Kurnool, East	..	..	2,617	..	11,717	1,015	..	..	..	..	..	..	..	..	..	..
„ West																
Bellary	..	..	..	..	..	..	..	..	..	..	601	..	..	..	..	..
Anantapur	..	..	168	..	..	..	..	..	..	..	188	..	..	..	..	..
Total, Northern Circle	..	..	3,054	1,568	34,954	1,684	..	2,470	390	..	841	..	..	118	..	..
Central Circle.																
Cuddapah	..	..	2,213	..	..	..	..	..	..	..	..	..	..	..	..	..
Nellore	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Chingleput	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
North Arcot	..	..	1,193	..	..	..	..	..	..	..	..	..	..	..	..	..
South „	..	..	217	..	8,829	82	..	..	..	..	441	..	..	..	..	..
North Salem	..	..	808	..	..	..	..	..	..	..	21	..	..	..	..	..
South „	..	..	702	..	..	..	..	..	..	..	..	..	..	26	..	..
Trichinopoly	..	..	66	..	25,000	9	..	..	..	..	..	..	..	301 S.M.	9	..
Tanjore	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total, Central Circle	..	..	5,199	..	33,829	91	..	..	..	..	462	..	..	26 301 S.M.	9	..
Southern Circle.																
South Canara	..	..	926	..	14,750	565	..	470	..	..	..	..	..	..	..	..
North Malabar	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
South „	1	..	33	..	..	..	..	..	..	..	1	..	..	..	..	..
The Nilgiris	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
North Coimbatore	..	..	1,648	..	4,839	311	..	96	..	..	..	..	..	..	..	..
South „	..	..	657	..	..	..	..	..	..	..	5	..	..	..	..	..
Madura	..	..	607	..	..	..	..	..	..	..	..	..	..	..	..	..
Tinnevelly	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total, Southern Circle	1	..	3,871	..	19,589	876	..	566	..	..	6	..	..	..	..	..
Grand Total, Presidency.	1	..	12,124	1,568	88,372	2,651	..	3,036	390	..	1,309	..	..	144 301 S.M.	9	..

Statement of Forest Areas surveyed and under survey during the year 1904-1905—*cont.*

District.	Areas surveyed and under survey during the year 1904-1905—*cont.*								Areas to remaining be taken under survey.	Total forest area at end of year, as per Form No. 44.	Cost.		
	Chain and compass or other surveys by local officers.												
	With interior details.					Boundary surveys.							
	4-inch or over.		Under 4-inch.										
	Previous.	Of year.	Previous.	Of year.	Total cost.	Previous.	Of year.	Total cost.			Previous.	Of year.	Entry cost of all surveys to end of the year.
	18	19	20	21	22	23	24	25	26	27	28	29	30
Northern Circle.	S. MLS.	S. MLS.	S. MLS	S. MLS.	RS.	L. MLS.	L. MLS.	RS.	S. MLS.	S. MLS.	RS.	RS.	RS.
Ganjám	53	..	..	..	..	1,221	87	553	..	538	16,446	553	16,999
Vizagapatam	29	..	..	..	..	..	..	..	..	298	2,150	..	2,150
Gódávari	1	..	26	..	6	540	..	1,549	376	867	27,770	1,332	29,102
Kistna	..	15	..	..	24	..	78	53	..	280	9,118	728	9,846
Guntúr	85	19	..	..	778	..	22	16	..	814	11,231	699	11,930
Kurnool, East	5	8	..	..	530	..	53	130	..	1,155	1,44,964	992	1,45,956
,, West										1,380			
Bellary	..	..	..	..	..	..	..	..	..	601	1,331	360	1,691
Anantapur	154	..	..	..	..	..	..	..	..	510	369	80	449
Total, Northern Circle ..	327	42	26	..	1,338	1,761	240	2,301	376	6,443	2,13,379	4,744	2,18,123
												*+ 52,255	*+52,255
Central Circle.													
Cuddapah	..	..	..	..	..	..	..	..	..	2,241	1,08,572	360	1,08,932
Nellore	..	..	..	..	..	..	..	..	..	734	1,540	373	1,913
Chingleput	..	..	..	..	..	..	..	..	..	214	801	359	1,160
North Arcot	97	..	..	..	..	..	..	..	..	1,290	17,592	357	17,949
South ,, ...	6	..	..	..	52	..	..	..	..	663	9,381	231	9,612
North Salem	..	..	..	..	..	3	..	..	3	832	18,752	1,160	19,912
South ,, ...	..	..	..	..	243	5	4	788	31	728	17,999	785	18,784
Trichinopoly	1	..	..	..	..	108	21	360	181	310	25,720	360	26,080
Tanjore	20	..	..	..	..	..	..	..	..	20	..	..	..
Total, Central Circle ..	124	..	..	..	295	116	25	1,148	215	7,032	2,00,357	3,985	2,04,342
												*+ 156	*+156
Southern Circle.													
South Canara	..	..	..	..	..	879	12	..	..	674	44,044	841	44,885
North Malabar	..	..	..	..	..	37	..	..	235	235	1,551	60	1,611
South ,, ...	..	..	..	..	..	183	..	..	183	218	1,765	115	1,880
The Nilgiris	..	..	..	..	..	..	..	..	..	412	759	360	1,119
North Coimbatore ..	..	..	..	..	..	..	..	..	..	1,378	82,531	287	82,818
South ,, ...	..	..	..	..	..	..	..	..	..	662	4,259	1,289	5,548
Madura	..	..	..	..	..	9	52	..	..	616	405	386	791
Tinnevelly	..	..	..	..	..	..	..	..	..	437	843	360	1,203
Total, Southern Circle ..	..	..	..	..	..	1,108	64	..	418	4,632	1,36,157	3,698	1,39,855
												*+31,704	*+31,704
Grand Total, Presidency.	451	42	26	..	1,633	2,985	329	3,449	1,009	18,107	5,49,893	12,427	5,62,320
												*+ 84,115	*+84,115

* Represents the charges incurred under A-viii (*c*) (2) "Surveys—India."

ANNUAL FORM No. 48.

Forest Department, Madras Presidency.

PROGRESS made in working-plans during 1904–1905.

District.	Areas for which working-plans have been completed and approved by the Board.		Areas for which working-plans are being compiled or have been compiled but not sanctioned.		Areas for which working-plans have still to be taken in hand.	Total forest area as in Form No. 44.	Entire cost per square mile of working-plans completed. ‖	Remarks.
	At commencement of year.	During year.	At commencement of year.	Taken in hand during year.				
1	2	3	4	5	6	7	8	9
Northern Circle.	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.	RS.	
Ganjám	* 321	130	..	..	147	598	80	
Vizagapatam	144	..	..	119	82	345	..	
Gódávari	† 378	..	259	..	306	943	223	
Kistna	23	35	33	..	189	280	..	
Guntúr	8	.	‡ ..	2	804	814	..	
Kurnool, East	158	..	..	..	998	1,156	..	
Kurnool, West	77	..	279	319	817	1,492	141	
Bellary	12	90	153	38	394	687	..	
Anantapur	230	203	..	..	88	521	..	
Total ..	1,351	458	724	478	3,825	6,836	444	
Central Circle.								
Cuddapah	..	..	3	..	2,355	2,358	4	
Nellore	212	6	347	‡ ..	173	738	170	
Chingleput	..	..	214	‡ ..	..	214	..	
North Arcot	518	430	339	..	3	1,290	690	
South Arcot	321	..	194	..	148	663	..	
North Salem	210	§ 42	293	378	..	923	..	
South Salem	327	** 110	111	..	185	733	245	
Tanjore	4	..	5	..	11	20	..	
Trichinopoly	1	..	37	..	277	315	..	
Total ..	1,593	588	1,543	378	3,152	7,254	1,109	
Southern Circle.								
South Ca[illegible]	†† 662	..	..	..	405	1,067	..	
North Malabar	178	..	..	..	80	258	..	
South Malabar	* 30	‡ ..	..	..	254	284	215	
The Nilgiris	16	..	..	..	483	499	126	
North Coimbatore ..	423	..	..	..	1,237	1,660	..	
South Coimbatore ..	234	..	..	100	328	662	..	
Madura	* 351	..	..	225	92	668	..	
Tinnevelly	240	..	..	33	165	438	19	
Total ..	2,134	..	..	358	3,044	5,536	360 ¶ +205	
Grand Total ..	5,078	1,046	2,267	1,214	10,021	19,626	2,118	

* Revised figure reported by Collector.

† The difference between the figure entered in column 2 of the previous year's return and that entered in column 2 of this is due to the transfer of the areas comprised in the Upputeru and Narasapur plantation working-plans to Kistna.

‡ Less than 1 square mile.

§ The Tiruppattur Sandalwood working-plan approved in Board's Proceedings, No. 172, dated 20th August 1904, *i.e.*, subsequent to the year 1903–1904, the area of which was wrongly entered in column 3 of the previous year's return.

‖ The figures in this column represent the total expenditure incurred during the year under A-VIII (*d*).

¶ Expenditure incurred under A-VIII-D, Direction, Southern Circle.

** Revised area of the Salem East Range working-plan sanctioned during the year.

†† Baindur reserve was originally included in the working-plan sanctioned for the Coondapoor range. A separate working-plan has been sanctioned for it during the year under report.

ANNUAL

Forest Department,

COMMUNICATIONS

District.	New work undertaken during the year.					
	Buildings.		Roads and paths.			Total expenditure on new work.
	Description of building.	Expenditure incurred.	Road or path and object of the same.	Length of road or path.	Expenditure incurred.	
1	2	3	4	5	6	7
						Northern
Direction ..	....	RS. ..	....	MLS. ..	RS. ..	RS. ..
Ganjám ..	(*a*) Head-quarter houses ..	4	(*a*) Cart-roads	..	24	..
	(*b*) Rest houses	1,631	(*b*) Bridle-paths	34	165	..
	(*c*) Houses for subordinate establishments	355				
	Total, Ganjám ..	1,990	Total ..	34	189	2,179
Vizagapatam.	(*a*) Head-quarter houses ..	825				
	(*d*) Others	50	....	..	..	..
	Total, Vizagapatam ..	875	Total ..	..	..	875
Gódávari ..	(*a*) Head-quarter houses ..	15	(*a*) Cart-roads	..	3,804	
	(*b*) Rest-houses	446	(*c*) Others	..	50	
	(*c*) Houses for subordinate establishments	1,418				
	Total, Gódávari ..	1,879	Total ..	..	3,854	5,733
Kistna ..	....		(*a*) Cart-roads	2	105	
	Total, Kistna ..	..	Total ..	2	105	105
Guntúr ..	(*b*) Rest-houses	1,063	(*a*) Cart-roads	5	306	
	(*c*) Houses for subordinate establishments	45				
	(*d*) Others	23				
	Total, Guntúr ..	1,131		5	306	1,437
			Total ..			
Kurnool East.	(*b*) Rest-houses	226	(*a*) Cart-roads	..	273	..
	(*c*) Houses for subordinate establishments	858				
	Total, Kurnool East ..	1,084	Total ..	..	273	1,357

FORM No. 49.

Madras Presidency.

and Buildings.

Repairs executed during the year.					
Buildings.		Roads and paths.			Total expended on repairs.
Nature of repairs.	Expenditure incurred.	Nature of repairs.	Length repaired.	Expenditure incurred.	
8	9	10	11	12	13
Circle.					
	RS.		MLS.	RS.	RS.
(*a*) Head-quarter houses	60	....	..	..	60
(*a*) Head-quarter houses	78	(*a*) Cart-roads	11	112	..
(*b*) Rest-houses	1,650	(*b*) Bridle-paths	8	20	..
(*c*) Houses for subordinate establishments	485		19	132	2,345
		Add A-VII (*c*) ..	..	..	160
Total ..	2,213	Total ..	19	132	2,505
(*a*) Head-quarter houses	39	(*a*) Cart-roads	10	136	447
(*b*) Rest-houses	124				
(*c*) Houses for subordinate establishments	127	Add A-VII (*c*) ..	..	..	20
(*d*) Others	21				
Total ..	311	Total ..	10	136	467
(*a*) Head-quarter houses	107	(*a*) Cart-roads	..	361	3,895
(*b*) Rest-houses	1,423				
(*c*) Houses for subordinate establishments	515				
Pay of watchers	1,489	Add A-VII (*c*) ..	..	..	2,174
Total ..	3,534	Total ..	..	361	6,069
(*b*) Rest-houses	9	(*a*) Cart-roads	14	87	337
(*c*) Houses for subordinate establishments	72	Add A-VII (*c*) ..	..	..	1,134
(*d*) Others	121				
Pay of watchers	48				
Total ..	250	Total ..	14	87	1,471
(*b*) Rest-houses	213	....	..	..	541
(*c*) Houses for subordinate establishments	24	Add A-VII (*c*) ..	..	..	369
Pay of watchers	313				
Total ..	550 — 9 *	Total ..	..	..	910
(*b*) Rest-houses	44	(*a*) Cart-roads	39	748	1,287
(*c*) Houses for subordinate establishments	84				
Pay of watchers	411	Add A-VII (*c*) ..	..	..	91
Total ..	539	Total ..	39	748	1,378

* Cash recovery.

Communications.

District.	New work undertaken during the year.					
	Buildings.		Roads and paths.			Total expenditure on new work.
	Description of building.	Expenditure incurred.	Road or path and object of the same.	Length of road or path.	Expenditure incurred.	
1	2	3	4	5	6	7
						Northern
		RS.		MLS.	RS.	RS.
Kurnool, West.	(*a*) Head-quarter houses ..	1,242	(*a*) Cart-roads	14	14	4,847
	(*b*) Rest-houses	58				
	(*c*) Houses for subordinate establishments	2,982				
	(*d*) Others	551				
	Total, Kurnool, West ..	4,833	Total ..	14	14	4,847
Bellary ..	(*a*) Head-quarter houses ..	345	(*a*) Cart-roads	8	334	..
	Total, Bellary ..	345	Total ..	8	334	679
Anantapur ..	(*a*) Head-quarter houses ..	1,064	(*a*) Cart-roads	6	623	..
	(*b*) Rest-houses	903				
	(*d*) Others	1,447				
	Total, Anantapur ..	3,414	Total ..	6	623	4,037
Total, Northern Circle.	(*a*) Head-quarter houses ..	3,495	(*a*) Cart-roads	35	5,483	..
	(*b*) Rest-houses	4,327	(*b*) Bridle-paths	34	165	..
	(*c*) Houses for subordinate establishments	5,658	(*c*) Others	..	50	..
	(*d*) Others	2,071				
	Grand Total, Northern Circle..	15,551	Grand Total ..	69	5,698	21,249
						Central
Direction ..	Total ..	..	Total ..	..	..	..
Cuddapah ..	(*a*) Head-quarter houses ..	30	(*a*) Cart-roads	..	16	..
	(*c*) Houses for subordinate establishments	56				
	(*d*) Others	190				
	Total, Cuddapah ..	276	Total ..	..	16	292
Nellore ..	(*a*) Head-quarter houses ..	904	....	..	..	3,070
	(*b*) Rest-houses	1,387	....	..	..	..
	(*c*) Houses for subordinate establishments	29	....	..	..	..
	(*d*) Others	250				
	Total, Nellore ..	3,070	Total ..	..	..	3,070
Chingleput ..	(*b*) Rest-houses	416	....	..	..	..
	(*c*) Houses for subordinate establishments	44	....	..	..	..
	Total, Chingleput ..	460	Total ..	..	..	460
North Arcot ..	(*b*) Rest-houses	1,350	(*a*) Cart-roads	3	516	..
	(*c*) Houses for subordinate establishments	1,077	....	..	..	..
	(*d*) Others	379	....	..	..	..
	Total, North Arcot ..	2,806	Total ..	3	516	3,322

and Buildings—*cont.*

Repairs executed during the year.					
Buildings.		Roads and paths.			Total expended on repairs.
Nature of repairs.	Expenditure incurred.	Nature of repairs.	Length repaired.	Expenditure incurred.	
8	9	10	11	12	13

Circle —cont.

	Rs.		Mls.	Rs.	Rs.
(*b*) Rest-houses	245	....	..	..	675
(*c*) Houses for subordinate establishments	67	Add A-VII (*c*) ..	..	..	..
Pay of watchers	363				
Total ..	675	Total ..	..	..	675
(*a*) Head-quarter houses	37				
(*b*) Rest-houses	349	(*a*) Cart-roads	6	42	605
(*c*) Houses for subordinate establishments	117	Add A-VII (*c*) ..	..	..	446
Pay of watchers	60				
Total ..	563	Total ..	6	42	1,051
(*a*) Head-quarter houses	283	(*a*) Cart-roads	10	298	..
(*b*) Rest-houses	299	(*b*) Bridle-paths	3	100	..
Pay of watchers and contingencies ..	1,154		13	398	2,134
Total ..	1,736	Add A-VII (*c*) ..	..	..	1,032
(*a*) Head-quarters houses	604	Total ..	13	398	3,166
(*b*) Rest-houses	4,356				
(*c*) Houses for subordinate establishments	1,491	(*a*) Cart-roads	90	1,784	..
(*d*) Others	142	(*b*) Bridle-paths	11	120	..
Pay of watchers	3,829	(*c*) Others	..	..	..
			101	1,904	12,326
		Add A-VII C ..	..	..	5,426
Grand Total ..	10,422	Grand Total ..	101	1,904	17,752

Circle.

Total ..	12	Total ..	..	..	12
(*a*) Head-quarter houses	20	(*a*) Cart-roads	..	35	1,324
(*b*) Rest-houses	515	Add A-VII (*c*) ..	..	..	993
(*c*) Houses for subordinate establishments	490				
Pay of watchers	264				
Total ..	1,289	Total ..	..	35	2,317
(*b*) Rest-houses	43				
(*c*) Houses for subordinate establishments	4	.... Add A-VII (*c*) ..	..	..	353
Pay of watchers	306		..	..	150
Total ..	353				
		Total ..	..	..	503
(*b*) Rest-houses	111	(*a*) Cart-roads	..	226	401
(*c*) Houses for subordinate establishments	4	Add A-VII (*c*) ..	..	..	151
Pay of watchers	60				
Total ..	175	Total ..	..	226	552
		(*a*) Cart-roads	110	1,065—15*	..
(*a*) Head-quarter houses	149	(*b*) Bridle-paths	31	206	..
(*b*) Rest-houses	1,096		141	1,246	3,567
(*c*) Houses for subordinate establishments	96				
Pay of watchers	1,012—32*	Add A-VII (*c*) ..	..	..	287
Total ..	2,321	Total ..	141	1,246	3,854

* Cash recovery. (*a*) Deducted as per Accountant-General's audited figures.

Communications

District.	New works undertaken during the year 1904-1905.					
	Buildings.		Roads and paths.			Total expenditure on new work.
	Description of building.	Expenditure incurred.	Road or path and object of the same.	Length of road or path.	Expenditure incurred.	
1	2	3	4	5	6	7
						Central
		RS.		MLS.	RS.	RS.
South Arcot ..	....	..	....	..	..	
North Salem..	(*b*) Rest-houses	1,626	(*a*) Cart-roads	..	1,046	..
	(*c*) Houses for subordinate establishments	295				
	(*d*) Others	599				
	Total, North Salem ..	2,520	Total ..	..	1,046	3,566
South Salem ..	(*a*) Head-quarter-houses ..	183	(*c*) Others	..	72	..
	(*b*) Rest-houses	270				
	Total, South Salem ..	453	Total ..	..	72	525
Tanjore ..	....	..	....	..	..	..
	Total, Tanjore ..	..	Total ..	..	..	..
Trichinopoly..	(*b*) Rest-houses	67				
	(*d*) Others	20				
	Total, Trichinopoly ..	87	Total ..	..	..	87
Total, Central Circle.	(*a*) Head-quarter houses ..	1,117	(*a*) Cart-roads	3	1,578	..
	(*b*) Rest-houses	5,616	(*c*) Others	..	72	..
	(*c*) Houses for subordinate establishments	1,501				
	(*d*) Others	1,438				
	Grand Total, Central Circle ..	9,672	Total ..	3	1,650	11,322
						Southern
South Canara.	(*a*) Head-quarter houses ..	350	(*a*) Cart-roads	5	139	..
	(*b*) Rest-houses	427				
	(*c*) Houses for subordinate establishments	792-136* = 656				
	Total, South Canara ..	1,433	Total ..	5	139	1,572
North Malabar.	(*b*) Rest-houses	907	(*a*) Cart-roads	20	708	..
	(*c*) Houses for subordinate establishments	2,891				
	Total, North Malabar ..	3,798	Total ..	20	708	4,506
South Malabar.	(*a*) Head-quarter houses ..	906	(*b*) Bridle-paths	2	95	..
	(*b*) Rest-houses	302				
	(*c*) Houses for subordinate establishments	2,718				
	Total, South Malabar ..	3,926	Total ..	2	95	4,021
The Nilgiris ..	(*b*) Rest-houses	661	(*a*) Cart-roads	10	415	..
	Total, The Nilgiris ..	661	Total ..	10	415	1,076

* Amount recovered during the current year.

and Buildings—*cont.*

Repairs executed during the year 1904–1905.					
Buildings.		Roads and paths.			Total expended on repairs.
Nature of repairs.	Expenditure incurred.	Nature of repairs.	Length repaired.	Expenditure incurred.	
8	9	10	11	12	13
Circle—cont.					
	Rs.		MLS.	Rs.	Rs.
(*b*) Rest-houses	146	(*b*) Bridle-paths	7	179	848
(*c*) Houses for subordinate establishments	155				
Pay of watchers	368	Add A-VII (*c*) ..	..	..	8
Total ..	669	Total ..	7	179	856
(*a*) Head-quarter houses	206	(*a*) Cart-roads	..	212	456
(*b*) Rest-houses	38				
		Add A-VII (*c*) ..	..	..	955
Total ..	244	Total ..	..	212	1,411
(*a*) Head-quarter houses	109	(*a*) Cart-roads	..	462	905
(*b*) Rest-houses	294				
(*c*) Houses for subordinate establishments	40	Add A-VII (*c*) ..	..	..	109
Total ..	443	Total ..	..	462	1,014
(*b*) Rest-houses	27				
(*c*) Houses for subordinate establishments	2				
Total ..	29	Total ..	..	..	29
(*b*) Rest-houses	50		..	..	50
		Add A-VII (*c*) ..	..	..	28
Total ..	50	Total ..	..	..	78
(*a*) Head-quarter houses	496	(*a*) Cart-roads	110	1,975	..
(*b*) Rest-houses	2,320	(*b*) Bridle-paths	38	385	..
(*c*) Houses for subordinate establishments	791		148	2,360	7,945
Pay of watchers	1,978				
		Add A-VII (*c*) ..	..	..	2,681
Total ..	5,585	Total ..	148	2,360	10,626
Circle.					
(*a*) Head-quarter houses	55	(*a*) Cart-roads	11	56	393
(*b*) Rest-houses	190				
(*c*) Houses for subordinate establishments	7				
Pay of watchers	85	Add A-VII (*c*) ..	..	..	1,352
Total ..	337	Total ..	11	56	1,745
(*a*) Head-quarter houses	349	(*a*) Cart-roads	31	1,234	..
(*b*) Rest-houses	540	(*c*) Others	..	243	..
			31	1,477	2,366
		Add A-VII (*c*) ..	..	..	128
Total ..	889	Total ..	31	1,477	2,494
(*a*) Head-quarter houses	281	(*a*) Cart-roads	21	654	..
(*b*) Rest-houses	74	(*b*) Bridle-paths	52	152	..
(*c*) Houses for subordinate establishments	234		73	806	1,395
		Add A-VII (*c*) ..	..	..	1,430
Total ..	589	Total ..	73	806	2,825
(*b*) Rest-houses	858	(*a*) Cart-roads	89	2,244	3,102
		Add A-VIII (*c*) ..	..	..	124
Total ..	858	Total ..	89	2,244	3,226

Communications.

District.	New works undertaken during the year 1904-1905.					
	Buildings.		Roads and paths.			Total expenditure on new work.
	Description of building.	Expenditure incurred.	Road or path and object of the same.	Length of road or path.	Expenditure incurred.	
1	2	3	4	5	6	7
						Southern
		RS.		MLS.	RS.	RS.
North Coimbatore.	(*d*) Others	1,037	(*a*) Cart-roads	15	3,578	..
	Total, North Coimbatore ..	1,037	Total ..	15	3,578	4,615
South Coimbatore.	(*a*) Head-quarter houses ...	59	(*a*) Cart-road	..	27	..
	(*b*) Rest-houses	204	(*b*) Bridle-paths	..	25	..
	(*c*) Houses for subordinate establishments	1,436				
	(*d*) Others	256				
	Total, South Coimbatore ..	1,955	Total ..	..	52	2,007
Madura ..	(*a*) Head-quarter houses ..	230	(*a*) Cart-roads	..	3,106	..
	(*b*) Rest-houses	3,723	(*b*) Bridle-paths	15	1,500	..
	(*c*) Houses for subordinate establishments	50			—22*	..
	Total, Madura ..	4,003	Total ..	15	4,584	8,587
Tinnevelly ..	(*b*) Rest-houses	3,059	(*a*) Cart-roads	10	949	..
	(*c*) Houses for subordinate establishments	183	(*b*) Bridle-paths	3	1,007	..
	Total, Tinnevelly ..	3,242	Total ..	13	1,956	5,198
Total, Southern Circle.	(*a*) Head-quarter houses ..	1,545	(*a*) Cart-roads	60	8,922	
	(*b*) Rest-houses	9,283	(*b*) Bridle-paths	20	2,605	
	(*c*) Houses for subordinate establishments	7,934				
	(*d*) Others	1,293				
	Grand Total, Southern Circle ..	20,055	Grand Total ..	80	11,527	31,582
Total, Presidency.	(*a*) Head-quarter houses ..	6,157	(*a*) Cart-roads	98	15,983	
	(*b*) Rest-houses	19,226	(*b*) Bridle-paths	54	2,770	
	(*c*) Houses for subordinate establishments	15,093	(*c*) Others	..	122	
	(*d*) Others	4,802				
	Grand Total, Presidency ..	45,278	Total ..	152	18,875	64,153

* Cash recovery.

and Buildings—*cont.*

Repairs executed during the year 1904–1905.					
Buildings.		Roads and paths.			Total expended on repairs.
Nature of repairs.	Expenditure incurred.	Nature of repairs.	Length repaired.	Expenditure incurred.	
8	9	10	11	12	13
Circle—cont.					
	Rs.		Mls.	Rs.	Rs.
(*a*) Head-quarter houses	526	(*a*) Cart-roads	..	(*a*)8,598	..
(*b*) Rest-houses	158				
(*c*) Houses for subordinate establishments	389		..	8,598	10,172
Pay of watchers	501	Add A-VII (*c*) ..	..	..	1,015
Total ..	1,574	Total ..	..	8,598	11,187
(*a*) Head-quarter houses	780	(*a*) Cart-roads	23	2,458	..
(*b*) Rest-houses	1,388	(*b*) Bridle-paths	..	72	..
(*c*) Houses for subordinate establishments	643		23	2,530	5,687
(*d*) Others	346	Add A-VII (*c*) ..	..	..	1,248
Total ..	3,157	Total ..	23	2,530	6,935
(*b*) Rest-houses	497				887
(*c*) Houses for subordinate establishments	45	Add A-VII (*c*) ..	..	..	277
Pay of watchers	345				
Total ..	887	Total ..	..	..	1,164
(*b*) Rest-houses	804	(*a*) Cart-roads	85	2,372	..
(*c*) Houses for subordinate establishments	367	(*b*) Bridle-paths	28	428	..
			113	2,800	3,971
		Add A-VII (*c*) ..	..	..	10
Total ..	1,171	Total ..	113	2,800	3,981
(*a*) Head-quarter houses	1,991	(*a*) Cart roads	260	17,616	
(*b*) Rest-houses	4,509	(*b*) Bridle-paths	80	652	
(*c*) Houses for subordinate establishments	1,685	(*c*) Others	0	243	
(*d*) Others	846				
Pay of watchers	931				
			340	18,511	27,973
		Add A-VII (*c*) ..	..	..	5,584
Total ..	9,462	Total ..	340	18,511	33,557
(*a*) Head-quarter houses	3,091	(*a*) Cart-roads	460	21,375	
(*b*) Rest-houses	11,185	(*b*) Bridle-paths	129	1,157	
(*c*) Houses for subordinate establishments	3,967	(*c*) Others	0	243	
(*d*) Others	488				
Pay of watchers	6,738		589	22,775	48,244
		Add A-VII (*c*) ..	..	..	13,691
Total ..	25,469	Total ..	589	22,775	61,935

(*a*) Of this amount, Rs. 6,190 represent the pay of road coolies.

ANNUAL.

Forest Department,

REGISTER of Breaches of

District.		Cases pending from 1903–1904.	New cases of the year.					Total cases.
			Injury to forests by fire.	Unauthorized felling or appropriation of wood and minor forest produce.	Grazing without permission or in tracts in which grazing is prohibited.	Other offences.	Total new cases of the year.	
1		2	3	4	5	6	7	8
								Northern
Ganjám	A	* 60	2	217	47	12	278	338
	B	* 19	..	109	11	4	124	143
	C	..	3	47	1	..	51	..
	Total ..	79	5	373	59	16	453	481
Vizagapatam ..	A	6	1	17	..	..	18	24
	B	42	..	197	49	6	252	294
	C	..	10	..	..	..	10	..
	Total ..	48	11	214	49	6	280	318
Gódávari ..	A	21	5	119	17	17	158	179
	B	18	..	93	20	4	117	135
	C	..	26	2	..	..	28	..
	Total ..	† 39	31	214	37	21	303	314
Kistna	A	5	..	58	34	4	96	101
	B	10	..	192	186	4	382	392
	C	..	3	..	..	..	3	..
	Total ..	‡ 15	3	250	220	8	481	493
Guntur	A	2	..	12	21	11	44	46
	B	34	..	185	106	9	300	334
	C	..	4	1	..	..	5	..
	Total ..	‡ 36	4	198	127	20	349	380
Kurnool, East ..	A	..	1	124	98	20	243	243
	B	..	..	114	112	90	316	316
	C	..	6	13	6	2	27	..
	Total ..	..	7	251	216	112	586	559
Kurnool, West ..	A	§ 92	1	292	66	13	372	464
	B	33	..	220	210	4	434	467
	C	..	..	96	39	8	143	..
	Total ..	125	1	608	315	25	949	931
Bellary	A	132	1	66	34	4	105	237
	B	77	..	460	246	20	726	803
	C	..	64	..	..	..	64	..
	Total ..	209	65	526	280	24	895	1,040

A. Cases taken into Court. B. Cases compounded. C. Cases undetected.

* Variations between the closing balance of 1903–1904 and these figures are due to transfers between A and B.

† The difference in the opening balance is explained to be due to the omission of the 2 cases in the Ellore range, which was transferred to Kistna district.

Form No. 50.

Madras Presidency.

Forest Rules during 1904–1905.

Disposed of during the year.						Cases pending at close of year.
Convictions.		Acquittals.		Total.		
Cases.	Persons.	Cases.	Persons.	Cases.	Persons.	
9	10	11	12	13	14	15
Circle.						
181	567	32	176	213	743	50
				75	294	
136	383	..	..	136	383	7
..	..	..	..	..	..	..
317	950	32	176	349	1,126	57
				‖ 75	294	
19	37	..	..	19	37	5
252	458	..	..	252	458	26
				‖ 16	65	
..	..	..	..	..	..	..
271	495	..	..	271	495	31
				‖ 16	65	
117	288	4	71	121	359	58
85	227	..	..	85	227	6
				‖ 44	116	
..	..	..	..	..	..	..
202	515	4	71	206	586	64
				‖ 44	116	
37	106	7	37	44	143	56
				‖ 1	1	
292	724	..	..	292	724	80
				‖ 20	42	
..	..	..	..	..	..	..
329	830	7	37	336	867	136
				‖ 21	43	
24	113	5	65	29	178	17
131	508	..	..	131	508	65
				‖ 138	496	
..	..	..	..	..	..	..
155	621	5	65	160	686	82
				‖ 138	496	
163	475	12	50	175	525	68
306	789	..	..	306	789	10
..	..	..	..	..	..	..
469	1,264	12	50	481	1,314	78
368	1,247	27	114	395	1,361	63
				‖ 6	20	
428	1,061	..	..	428	1,061	35
				‖ 4	14	
..	..	..	..	..	..	..
796	2,308	27	114	823	2,422	98
				‖ 10	34	
162	620	20	96	182	716	35
				‖ 20	28	
512	1,883	..	..	512	1,883	173
				‖ 118	629	
..	..	..	..	..	..	..
674	2,503	20	96	694	2,599	208
				‖ 138	657	

‡ The totals of column 2 of Kistna and Guntúr amount to 51 against 47, the closing balance of the old Kistna district; and the difference is due to transfers of cases from other districts..

§ The difference between this figure and the closing balance of last year is said to be due to one case having been registered twice over last year.

‖ Withdrawn under the orders of the District Forest-officer.

Register of Breaches of Forest

District.		Cases pending from 1903-1904.	New cases of the year. Injury to forests by fire.	Un-authorized felling or appropriation of wood and minor forest produce.	Grazing without permission or in tracts in which grazing is prohibited.	Other offences.	Total new cases of the year.	Total cases.
1		2	3	4	5	6	7	8
Northern								
Anantapur ..	A	29	..	275	148	44	467	496
	B	11	..	153	137	7	297	308
	C	..	30	10	4	..	44	..
	Total ..	40	30	438	289	51	808	804
Total, Northern Circle.	A	347	11	1,180	465	125	1,781	2,128
	B	244	..	1,723	1,077	148	2,948	3,192
	C	..	146	169	50	10	375	..
Grand Total, Northern Circle ..		591	157	3,072	1,592	283	5,104	5,320
Central								
Cuddapah ..	A	* 52	2	116	72	13	203	255
	B	160	..	315	312	55	682	842
	C	† ..	‖ ..	..	..	..	..	..
	Total ..	212	2	431	384	68	885	1,097
Nellore	A	* 223	2	407	264	21	694	917
	B	67	1	535	145	15	696	763
	C	..	1	23	16	6	46	..
	Total ..	290	4	965	425	42	1,436	1,680
Chingleput ..	A	* 12	..	79	27	17	123	135
	B	71	..	412	141	12	565	636
	C	..	..	..	..	..	..	..
	Total ..	83	..	491	168	29	688	771
North Arcot ..	A	* 155	1	433	398	24	856	1,011
	B	47	..	669	542	34	1,245	1,292
	C	..	171	2	3	..	176	..
	Total ..	202	172	1,104	943	58	2,277	2,303
South Arcot ..	A	‡ 281	8	595	221	98	922	1,203
	B	‡ 388	..	1,295	692	140	2,127	2,515
	C	..	41	615	40	46	742	..
	Total ..	669	49	2,505	953	284	3,791	3,718
North Salem .	A	27	2	66	27	4	99	126
	B	64	2	453	304	26	785	849
	C	..	..	12	9	..	21	..
	Total ..	91	4	531	340	30	905	975

A. Cases taken into Court. B. Cases compounded. C. Cases undetected.

* Variations between the closing balance of 1903-1904 and the figures in this column are due to transfers from B to A. † Reported as not known.

‖ Besides the 2 cases shown under A there occurred during the year in the specially protected blocks 87 cases of fires which it is reported by the Collector were not brought to this return as the offenders were undetected.

Rules during 1904–1905—*cont.*

Disposed of during the year.						Cases pending at close of year.
Convictions.		Acquittals.		Total.		
Cases.	Persons.	Cases.	Persons.	Cases.	Persons.	
9	10	11	12	13	14	15
Circle—cont.						
183	469	20	102	203	571	59
				§ 284	595	
291	607	..	..	291	607	6
				§ 11	22	
..	..	..	..	..	..	..
474	1,076	20	102	494	1,178	65
				§ 245	617	
1,254	3,922	127	711	1,381	4,633	411
				§ 336	938	
2,433	6,640	..	..	2,433	6,640	408
				§ 351	1,384	
..	..	..	..	..	..	..
3,687	10,562	127	711	3,814	11,273	819
				§ 687	2,322	
Circle.						
189	533	44	281	233	814	22
615	1,625	..	..	615	1,625	157
				§ 70	293	
..	..	..	..	..	..	..
804	2,158	44	281	848	2,439	179
				§ 70	293	
768	1,865	37	110	805	1,975	97
				§ 15	32	
729	1,549	..	..	729	1,549	15
				§ 19	46	
..	..	..	..	..	..	..
1,497	3,414	37	110	1,534	3,524	112
				§ 34	78	
77	230	12	55	89	285	14
				§ 32	95	
533	1,000	..	..	533	1,000	103
..	..	..	..	..	..	..
610	1,230	12	55	622	1,285	117
				§ 32	95	
742	2,229	24	126	766	2,355	236
				§ 9	15	
966	2,226	..	..	966	2,226	248
				§ 78	117	
..	..	..	..	..	..	..
1,708	4,455	24	126	1,732	4,581	484
				§ 87	132	
982	2,561	67	186	1,049	2,747	146
				§ 8	22	
1,913	3,744	..	..	1,913	3,744	300
				§302	582	
..	..	..	..	..	..	..
2,895	6,305	67	186	2,962	6,491	446
				§ 310	604	
97	342	11	68	108	410	18
688	1,586	..	..	688	1,586	100
				§ 61	144	
..	..	..	..	..	..	..
785	1,928	11	68	796	1,996	118
				§ 61	144	

‡ The variations are due to transfers from B to A and to undetected cases of previous year having been brought on to head B the offenders having since been traced; three hundred and sixty-eight undetected offences were pending enquiry at the close of the year 1904–1905.

§ Withdrawn under the orders of the District Forest-officer.

Register of Breaches of Forest

District.		Cases pending from 1903-1904.	New cases of the year.					Total cases.
			Injury to forests by fire.	Unauthorized felling or appropriation of wood and minor forest produce.	Grazing without permission or in tracts in which grazing is prohibited.	Other offences.	Total new cases of the year.	
1		2	3	4	5	6	7	8
								Central
South Salem ..	A	68	..	319	65	25	409	477
	B	129	..	542	258	26	826	955
	C	..	46	10	..	..	56	..
	Total ..	197	46	871	323	51	1,291	1,432
Trichinopoly ..	A	14	..	69	16	4	89	103
	B	* 89	..	566	228	13	807	896
	C	..	..	24	15	3	42	..
	Total ..	103	..	659	259	20	936	999
Tanjore	A	* 2	..	17	3	4	24	26
	B	108	..	687	43	3	733	841
	C	..	2	2	2	..	6	..
	Total ..	110	2	706	48	7	763	867
Total, Central Circle.	A	334	15	2,101	1,093	210	3,419	4,253
	B	1,123	3	5,474	2,665	324	8,466	9,589
	C	..	261	688	85	55	1,089	..
Grand Total, Central Circle ..		1,957	279	8,263	3,843	589	12,974	13,842
								Southern
South Canara ..	A	23	12	137	34	66	249	272
	B	55	4	313	85	30	432	487
	C	..	1	6	..	1	8	..
	Total ..	78	17	456	119	97	‡ 689	759
North Malabar ..	A	..	2	8	3	..	13	13
	B	..	..	1	2	..	3	3
	C	† 1	11	..	..	..	11	..
	Total ..	1	13	9	5	..	27	16
South Malabar ..	A	3	..	13	..	1	14	17
	B	..	..	13	..	..	13	13
	C	..	..	..	..	..	..	..
	Total ..	3	..	26	..	1	27	30
The Nilgiris ..	A	* 27	1	11	3	14	29	56
	B	..	..	82	54	7	143	143
	C	..	..	..	..	..	..	..
	Total ..	27	1	93	57	21	172	199
North Coimbatore.	A	47	6	109	71	15	201	248
	B	37	..	157	173	7	337	374
	C	..	58	..	..	..	58	..
	Total ..	84	64	266	244	22	596	622

A. Cases taken into Court. B. Cases compounded. C. Cases undetected.

* Variation due to transfers from A to B and B to A.

† Transferred from A of last year and reported to have proved "undetected" in the course of the year and transferred to special register of Magistrate.

‡ Excludes 384 petty-offences let off with a warning.

Rules during 1904–1905—*cont.*

Disposed of during the year.						Cases pending at close of year.
Convictions.		Acquittals.		Total.		
Cases.	Persons.	Cases.	Persons.	Cases.	Persons.	
9	10	11	12	13	14	15
Circle—cont.						
280	1,115	42	221	322	1,336	143
				§ 12	98	
706	2,220	..	..	706	2,220	167
				§ 82	416	
..	..	..	..	..	..	..
986	3,335	42	221	1,028	3,556	310
				§ 94	514	
74	189	11	39	85	228	18
756	1,354	..	..	756	1,354	140
..	..	..	..	..	..	..
830	1,543	11	39	841	1,582	158
17	33	2	5	19	38	7
740	1,162	..	..	740	1,162	86
				§ 15	21	
..	..	..	..	..	..	..
757	1,195	2	5	759	1,200	93
				§ 15	21	
3,226	9,097	250	1,091	3,476	10,188	701
				§ 76	262	
7,646	16,466	..	..	7,646	16,466	1,316
				§ 627	1,619	
..	..	..	..	..	..	..
10,872	25,563	250	1,091	11,122	26,654	2,017
				§ 703	1,881	
Circle.						
142	339	23	54	165	393	35
				§ 72	112	
447	869	..	..	447	869	40
..	..	..	..	..	..	..
589	1,208	23	54	612	1,262	75
				§ 72	112	
7	12	1	1	8	13	2
				§ 3	7	
2	3	..	..	2	3	1
..	..	..	..	..	..	..
9	15	1	1	10	16	3
				§ 3	7	
5	34	3	23	8	57	1
				§ 8	22	
13	56	..	..	13	56	..
..	..	..	..	..	..	..
18	90	3	23	21	113	1
				§ 8	22	
36	75	12	65	48	140	8
117	425	..	..	117	425	26
..	..	..	..	..	..	..
153	500	12	65	165	565	34
164	652	12	36	176	688	72
240	577	..	..	240	577	86
				§ 48	151	
..	..	..	..	..	..	..
404	1,229	12	36	416	1,265	158
				§ 48	151	

§ Withdrawn under the orders of the District Forest-officer.

Register of Breaches of Forest

District.		Cases pending from 1903-1904.	New cases of the year.					Total cases.
			Injury to forests by fire.	Unauthorized felling or appropriation of wood and minor forest produce.	Grazing without permission or in tracts in which grazing is prohibited.	Other offences.	Total new cases of the year.	
1		2	3	4	5	6	7	8
								Southern
South Coimbatore..	A	* 29	4	85	27	35	151	180
	B	44	1	139	75	70	285	329
	C	..	..	..	..	..	..	..
	Total ..	73	5	224	102	105	436	509
Madura	A	71	2	232	59	19	312	383
	B	150	3	759	272	9	1,043	1,193
	C	..	..	3	3	..	6	..
	Total ..	† 221	5	994	334	28	1,361	1,576
Tinnevelly ..	A	21	..	81	48	9	138	159
	B	27	1	244	53	4	302	329
	C	..	..	5	99	..	104	..
	Total ..	48	1	330	200	13	544	488
Total, Southern Circle.	A	221	27	676	245	159	1,107	1,328
	B	313	9	1,708	714	127	2,558	2,871
	C	1	70	14	102	1	187	..
Grand Total ..		535	106	2,398	1,061	287	3,852	4,199
Grand Total, Presidency.	A	1,402	53	3,957	1 803	494	6,307	7,709
	B	1,680	12	8,905	4,456	599	13,972	15,652
	C	1	477	871	237	66	1,651	..
Grand Total, Presidency ..		3,083	542	13,733	6,496	1,159	21,930	23,361

A. Cases taken into Court. B. Cases compounded. C. Cases undetected.

* Variation due to transfer from B to A.

† The variation is explained by the Collector to be due to the inclusion of 12 cases of the previous year on which orders were passed only during the year but erroneously shown as having been disposed of in that year.

Rules during 1904–1905—*cont.*

Disposed of during the year.						Cases pending at close of year.
Convictions.		Acquittals.		Total.		
Cases.	Persons.	Cases.	Persons.	Cases.	Persons.	
9	10	11	12	13	14	15
Circle—cont.						
144	448	14	56	158	504	22
258	753	..	..	258 ‡ 46	753 190	25
..	..	..	..	..	..	..
402	1,201	14	56	416 ‡ 46	1,257 130	47
151	634	18	143	169 ‡ 51	777 109	163
879	3,262	..	..	879 ‡ 113	3,262 465	201
..	..	..	..	..	..	..
1,030	3,896	18	143	1,048 ‡ 164	4,039 574	364
130	297	11	30	141	327	18
252	625	..	..	252 ‡ 34	625	43
..	..	..	..	..	..	..
382	922	11	30	393 ‡ 34	952	61
779	2,491	94	408	873 ‡ 134	2,899 250	321
2,208	6,570	..	..	2,208 ‡ 241	6,570 746	422
..	..	..	..	..	..	..
2,987	9,061	94	408	3,081 ‡ 375	9,469 996	743
5,259	15,510	471	2,210	5,730 ‡ 546	17,720 1,450	1,433
12,287	29,676	..	..	12,287 ‡ 1,219	29,676 3,749	2,146
..	..	..	..	..	..	..
17,546	45,186	471	2,210	18,017 ‡ 1,765	47,396 5,199	3,579

‡ Withdrawn under the orders of District Forest-officer.

APPENDIX to Form No. 50 (statement No. II prescribed by the Government of India).

District.	Details of prosecutions for offences by fire.					
	Serial number of fire.	Areas burnt in acres.	Character of offence (whether intentional or careless).	Whether acquitted or convicted.	Section of law under which convicted.	Amount of punishment.
Ganjám ..	* 1	*Nil.* †	Intentional ..	Withdrawn ..	....	....
	2	*Nil.*	Do. ..	Convicted ..	Section 21 (*b*) of the Madras Forest Act.	Fined Rs. 5.
	3	5	Do. ..	Pending trial ..	....	....
Vizagapatam.	* 1	23	Do. ..	Convicted ..	Rule 6 of the special rules under section 26 for the Golgonda agency tracts.	Two accused fined Rs. 10 each and two others Rs. 3 each; in default three weeks and fifteen days rigorous imprisonment respectively.
	2	2	Do. ..	Pending trial.	....	....
Gódávari ..	1	100	Careless § ..	Convicted ..	Section 21 of the Madras Forest Act.	Imprisonment for one month.
	2	..	‖ Do. ..	Do. ..	Do.	Thirty days' rigorous imprisonment.
	3, 4 & 5	.. ‡	..	Pending trial.	....	....
Kurnool, East.	1	20	Intentional ..	Do. ..	Section 21 (*b*) of the Madras Forest Act.	Two months' rigorous imprisonment.
Kurnool, West.	1	40	Do. ..	Do. ..	Section 21 (*e*) and (*f*) of the Madras Forest Act.	Three accused fined Rs. 20 each and in default to one month's rigorous imprisonment.
Bellary ...	1	.. ‡	Careless ..	Do. ..	Section 26 of the Madras Forest Act.	Ordered to pay a compensation of Rs. 20.
Cuddapah ..	* 1	200	Intentional ..	Acquitted ..	....	....
	2	.. ‡	Do. ..	Do. ..	....	....
	3	800	Do. ..	Convicted ..	Section 21 of the Madras Forest Act.	Two accused sentenced to six months' rigorous imprisonment each.
Nellore ¶ ..	1	336 sq. yds.	Do. ..	Acquitted ..	....	....
	2	30 acres.	Careless ..	Convicted ..	Section 21 of the Madras Forest Act.	Three accused fined Rs. 25, Rs. 10 and Rs. 5 respectively; in default one months' rigorous imprisonment each.
North Arcot ..	1	250	Intentional ..	Acquitted ..	....	....
South Arcot	1	2	Do. ..	Convicted ..	Section 21 (*b*) of the Madras Forest Act.	Four days simple imprisonment.
	2	20	Do. ..	Do. ..	Do.	Four months rigorous imprisonment and to pay a compensation of Rs. 50. On appeal the unexpired period of imprisonment was remitted and compensation reduced to Rs. 15.
	3	.. ‡	Do. ..	Do. ..	Do.	One accused sentenced to ten days' rigorous imprisonment and to a fine of Rs. 5; the other accused to undergo one week's rigorous imprisonment.
	4	200	Do. ..	Acquitted ..	....	....
	5	566	Careless ..	Convicted ..	Section 21 (*b*) of the Madras Forest Act.	One accused fined Rs. 10 and the other acquitted.
	6	10 cents.	Do. ..	Pending ..	Do.	(Since convicted one month's simple imprisonment).
	7	25 ,,	Do. ..	Convicted ..	Do.	Seven days' rigorous imprisonment.
	8	16 acres.	Intentional ..	Pending ..	....	(Since convicted and sentenced to one month's rigorous imprisonment).
North Salem.	* 1	*Nil.*	Do. ..	Acquitted ..	....	....
	2	2 yards in circumference.	Do. ..	Convicted ..	Section 21 (*b*) of the Madras Forest Act.	Five accused fined Re. 1 each; in default two days' simple imprisonment.
	3	..	Kindling fire.	Pending ..	....	....
Trichinopoly.	* 1	150	Intentional ..	Convicted ..	Section 21 (*b*) of the Madras Forest Act.	Sentenced to pay a fine of Rs. 100 and in default to six weeks' rigorous imprisonment. The conviction was quashed on appeal.

* Pending case of last year. † Found with a lighted torch. ‡ Not reported.
§ Throwing down amidst grass a lighted cigar. ‖ Lighting a match in a coupe protected from fire.
¶ The Collector has not reported the result of the pending case of last year in which 40 acres were burnt.

Appendix to Form No. 50 (statement No. II prescribed by the Government of India)—*cont.*

District.	Details of prosecutions for offences by fire.					
	Serial number of fire.	Areas burnt in acres.	Character of offence (whether intentional) or careless.	Whether acquitted or convicted.	Section of law under which convicted.	Amount of punishment
South Canara.	* 1	12	Careless ..	Withdrawn ..	....	....
	* 2	100	Intentional ..	Convicted ..	Rules 11 and 15 of the rules under section 26 of the Madras Forest Act.	Fined Rs. 50.
	3	5	Careless ..	Do. ..	Section 21 (*b*) of the Madras Forest Act.	Fined Rs. 15.
	4	100	Do. ..	Do. ..	Do.	Fined Rs. 15.
	5	20	Do. ..	Pending ..	....	....
	6	3	Do. ..	Do. ..	....	....
	7	20	Intentional ..	Convicted ..	Section 21 (*b*) of the Madras Forest Act.	Fined Rs. 15.
	8	10	Careless ..	Withdrawn ..	....	....
	9	10	Do. ..	Convicted ..	Section 21 (*b*) of the Madras Forest Act.	One accused fined Rs. 20; the other acquitted.
	10	33	Intentional ..	Acquitted ..	....	....
	11	12 cents.	Do. ..	Withdrawn ..	....	....
	12	.. †	Do. ..	Pending ..	....	....
	13	650 acres.	Careless ..	Do. ..	....	....
	14	1,687 ,,	Intentional ..	Withdrawn ..	....	....
	15	10	Do. ..	Convicted ..	Section 21 (*b*) & (*h*) of the Madras Forest Act.	Six weeks' rigorous imprisonment.
North Malabar.	1	5	Careless ..	Acquitted ..	....	....
	2	180	Do. ..	Pending ..	....	....
The Nilgiris. ‡	1	100	Intentional ..	Convicted ..	Section 21 (*c*) of the Madras Forest Act.	One accused sentenced to one month's rigorous imprisonment, two other accused not yet arrested.
North Coimbatore.	1	58	Careless ..	Acquitted ..	....	....
	2		Intentional ..	Convicted ..	Section 21 of the Madras Forest Act.	Six months' rigorous imprisonment.
	3	220	Do. ..	Do. ..	Do.	Fined Rs. 20 and fifteen days' rigorous imprisonment.
	4		Do. ..	Do. ..	Do.	Fined Rs. 20 and two days' rigorous imprisonment.
	5		Do. ..	Do. ..	Do.	Six months' rigorous imprisonment.
	6		Do. ..	Do. ..	Do.	Fined Rs. 3 and rigorous imprisonment for three days.
South Coimbatore.	1	Kindling fire.	Do. ..	Do. ..	Section 21 (*d*), (*e*), (*h*) of the Madras Forest Act.	Two accused, one fined Rs. 25 and the other Rs. 5.
	2	..	Do. § ..	Acquitted ..	....	....
	3	15 acres.	Careless ..	Pending ..	....	....
	4	..	Intentional ..	Do ..	....	....
Madura ..	1	100	Do. ..	Convicted ..	Section 21 (*b*) of the Madras Forest Act.	Two accused, fined Rs. 5 each.
	2		Do. ..	Pending ..	....	....

* Pending case of last year.

† Thirteen Tirva logs were burnt.

‡ The Collector has not reported the result of cases 6 and 7 of last year.

§ The accused was found with match in his possession and apparently about to set fire to forest.

ANNUAL FORM No. 51.

Forest Department, Madras Presidency.

AREA of Forest Tracts protected from Fire during 1904-1905.

District.	Forest tracts.	Year in which protection commenced.	Area protected during the previous year.	During dry season of 1905.			Cost during the season.	Remarks.
				Area attempted to be protected.	Fires.	Actually protected.		
1	2	3	4	5	6	7	8	9
Ganjám—Special protection—	*Northern Circle.*		ACS.	ACS.	ACS.	ACS.	RS.	
Mojjaguda..	Gullery	1901 ..	2,536	3,512	..	3,512	341	
	Rambha	1903 ..	106	233	..	233	93	
	Baiballi	1903 ..	1,082	1,300	..	1,300	106	
	Darpangia	1903 ..	1,071	1,071	..	1,071	121	
	Dhimrijholi	1903 ..	390	392	..	392	48	
	Tiliki	1903 ..	1,571	1,589	..	1,589	97	
	Kaliamba	1904 ..	900	900	..	900	49	
	Total, Mojjaguda ..	..	7,656	8,997	..	8,997	855	
Kukuluba ..	Brahmanasai	1901 ..	1,127	2,800	3	2,797	213	
	Chendragiri	1903 ..	4,004	4,600	85	4,515	373	
	Gogodo and its extension.	1903 ..	2,280	3,100	..	3,100	138	
	Ambazora	1903 ..	1,997	2,000	..	2,000	77	
	Jagannadhaprasad ..	1904 ..	390	460	20	440	93	
	Kullada	1904 ..	545	600	..	600	58	
	Total, Kukuluba ..	..	10,343	13,560	108	13,452	952	
Buguda ..	Panchabhuti	1903 ..	2,500	2,500	..	2,500	109	
	Kurcholi	1901 ..	800	800	..	800	51	
	Kriamba	1903 ..	7,992	8,000	..	8,000	318	
	Total, Buguda ..	..	11,292	11,300	..	11,300	478	
Suradá ..	Rogada	1903 ..	1,931	2,045	..	2,045	146	
	Mundapetta	1903 ..	1,674	1,717	..	1,717	69	
	Dabuki	1903 ..	1,200	1,450	..	1,450	23	
	Dowgam	1903 ..	769	769	..	769	67	
	Pippalaponka	1903 ..	3,037	2,270	..	2,270	102	
	Bondagocha	1904 ..	232	238	..	238	21	
	Total, Suradá ..	..	8,843	8,489	..	8,489	428	
	Total, Ganjám, Special ..	..	38,134	42,346	108	42,238	2,713	
Berhampur—General protection.	Ramagoda	1885 ..	7,667	7,955	..	7,955	28	
	Baniamari	1885 ..	4,028	4,028	1	4,027	16	
	South Mohiri	1885 ..	3,395	3,408	..	3,408	12	
	Total, Ganjam, General.	..	15,090	15,391	1	15,390	56	
	Total, Ganjám, Special and General.	..	53,224	57,737	109	57,628	2,769 *+231	* Pay of 2 fire maistries and amount spent on preparation of sign boards.
Vizagapatam—General protection.	Dharakonda reserve ..	1901-1902	40,334	46,880	242	46,638		
	Senivaram ,, ..	1901-1902	29,241	31,448	2	31,446		
	Sithakhandi ,, ..	1901-1902	2,368	2,368	..	2,368		
	Arlova reserve	1901-1902	4,318	4,318	..	4,318		
	Karaka	1901-1902	9,461	9,469	480	8,989		
	Madalammakonda reserve.	1900-1901	3,600	3,600	..	3,600		
	Pedimikonda reserve ..	1900-1901	3,227	3,311	..	3,311		
	Kodavatipudi reserve ..	1900-1901	1,544	1,544	..	1,544		
	Kakarlakonda reserve ..	1900-1901	1,924	1,924	..	1,924		
	Boddapalem reserve ..	1900-1901	308	380	..	380	72	
	Venkatapuram reserve ..	1900-1901	508	508	..	508		
	Sarugudu reserveNos.1 to 4	1900-1901	19,079	19,079	50	19,029		
	Peddapalli reserve ..	1892	9,077	9,077	..	9,077		
	Kadagandi ,, ..	1900-1901	(a) 10,807	11,064	..	11,064		
	Barnakonda ,, ..		9,541	13,527	..	13,527		
	Antikonda ,, ..	1900-1901	6,797	6,969	..	6,969		
	Palakonda ,, ..	..	4,513	4,580	24	4,556		
	Chinnagora ,, ..	..	2,327	2,383	2	2,381		
	Total, Vizagapatam, General ..	..	158,974	172,429	800	171,629	72	

(a) Revised figure reported by Collector.

Area of Forest Tracts protected from Fire during 1904-1905—*cont.*

District.	Forest tracts.	Year in which protection commenced.	Area protected during the previous year.	During dry season of 1905.			Cost during the season.	Remarks.
				Area attempted to be protected.	Fires.	Actually protected.		
1	2	3	4	5	6	7	8	9
Gódávari—General protection—	*Northern Circle—cont.*		Acs.	Acs.	Acs.	Acs.	Rs.	
Bhadráchalam range.	1. Dummagudem reserve.	1887 ..	6,110	6,110	310	5,800	55	
	2. Arlagudem ,, ..	1888 ..	6,125	6,136	73	6,063	68	
	3. Malkanapalli ,, ..	1905 ..	..	3,658	13	3,645	64	
	4. Tunikicherwu ,, ..	1905 ..	..	8,022	300	7,722	113	
	5. Bhadráchalam ,, ..	1905 ..	..	10,860	8	10,852	103	
	6. Gogubaka ,, ..	1905 ..	..	1,666	..	1,666	34	
	7. Komanapalli ,, ...	1905 ..	..	3,250	216	3,034	47	
	Total, Bhadráchalam ..	..	12,235	39,702	920	38,782	484	
Marrigudem range.	1. Bandrevu reserve ..	1904 ..	10,600	10,900	..	10,900	1,560	
	2. Gollaguppa ,, ..	1904 ..	7,440	8,000	212	7,788		
	3. Narakonda ,, ..	1904 ..	7,300	7,500	..	7,500		
	4. Pegha ,, ..	1904 ..	4,400	4,400	..	4,400		
	5. Uppanapalli ,, ..	1904 ..	3,300	3,300	..	3,300		
	6. Seetarampuram reserve.	1904 ..	3,000	3,000	..	3,000		
	7. Bandarugudem ,, .	1904 ..	6,630	7,100	..	7,100		
	8. Burakankota ,,	1904 ..	1,250	1,500	2	1,498		
	9. Kepaka ,,	1887 ..	5,000	7,000	..	7,000		
	10. Tatilanka ,,	1887 ..	12,000	12,000	38	11,962		
	11. Ramachandram ,,	1887 ..	10,160	10,300	2	10,298		
	Total, Marrigudem ..	..	71,080	75,000	254	74,746	1,560	
Rékapalle range.	1. Rékapalle hills reserve Marrigura, Nelakota, compartments Nos. I to X of Rekapalle hills reserve working-plan area.	Compartment No I, 1901 Compartment No. X, 1902. Compartment Nos. II to IX, 1903.	130,521	1,40,530	5,997	134,533	2,211	
	2. Pulusumamidi reserve.	1902 ..	4,520	4,520	..	4,520	125	
	3. Mattapalli ,,	1887 ..	9,500	9,500	8	9,492	310	
	4. Lakkavaram ,,	1905 ..	..	6,500	..	6,500	180	
	5. Kansulur ,,	1905 ..	..	6,200	..	6,200	120	
	6. Kollera ,,	1905 ..	..	5,500	..	5,500	96	
	7. Walsagri ,,	1905 ..	..	6,530	412	6,118	54	
	Total, Rékapalli ..	..	144,541	179,280	6,417	172,863	3,136	
	Total for the Sub-division.	..	227,856	293,982	7,591	286,391	5,180	
Rajahmundry range.	1. Lakkonda reserve.	1887 ..	11,854	13,104	..	13,104	24	
	2. Molleru ,,	1887 ..	8,200	8,250	..	8,250	12	
	3. Mallavaram ,,	1887 ..	7,256	7,600	..	7,600	12	
	4. Tirumalayapalem ,,	1887 ..	5,150	5,150	..	51,50	18	
	5. Sudikonda ,,	1887 ..	6,869	6,880	..	6,880	12	
	6. Murari ,,	1889 ..	700	700	..	700	6	
	7. Kogida ,,	1889 ..	1,279	1,280	..	1,280	6	
	8. Diwancheruvu ,,	1887 ..	2,051	2,051	..	2,051	12	
	Total, Rajahmundry ..	..	43,359	45,015	..	45,015	102	
Peddapur range.	1. Avantagiri reserve.	1905 ..	..	3,050	..	3,050	52	
	2 Ultimathule ,,	1905 ..	..	2,600	..	2,600	54	
	3. Bandapally ,,	1905 ..	..	5,800	..	5,800	103	
	4. Rajavommangi ,,	1905 ..	..	7,961	..	7,961	138	
	5. Singampani ,,	1905 ..	..	3,142	..	3,142	54	
	6. Jaddangy ,,	1905 ..	..	5,775	..	5,775	103	
	7. Ameenbada ,,	1905 ..	..	4,480	..	4,480	78	
	8. Labbarty ,,	1905 ..	..	6,500	..	6,500	105	
	9. Doramanidi ,,	1905 ..	..	6,400	..	6,400	106	
	10. Veerabhadrapuram reserve.	1905 ..	..	10,300	..	10,300	158	
	11. Vatangy reserve.	1905 ..	..	8,840	..	8,840	179	
	12. Lododdi ,,	1905 ..	..	7, 00	..	7,200	130	
	13. Pedagarrangi ,,	1905 ..	..	4,000	..	4,000	56	
	14. Annavaram ,,	1905 ..	..	8,500	..	8,500	134	
	15 Lingamparti ,,	1905 ..	..	6,500	..	6,500	53	
	16. Kotapalli ,,	1890 ..	2,150	2,150	..	2,150	33	
	Total, Peddapur ..	..	2,150	93,198	..	93,198	1,536	

Area of Forest Tracts protected from Fire during 1904–1905—*cont.*

District.	Forest tracts.	Year in which protection commenced.	Area protected during the previous year.	During dry season of 1904–05.			Cost during the season.	Remarks.
				Area attempted to be protected.	Fires.	Actually protected.		
1	2	3	4	5	6	7	8	9
	Northern Circle—cont.		ACS.	ACS.	ACS.	ACS.	RS.	
Gódávari—General protection—*cont.* Polavaram range.	1. Bedadavole reserve ..	1890 ..	14,911	15,000	12	14,988	186	
	2. Marlagudem ,, ..	..	2,098	2,100	1	2,099	123	
	3. Three reserves adjoining Hyderabad boundary.	1898 ..	4,928	4,968	..	4,968	67	
	4. Fire-tracing along the Hyderabad boundary.	..	..	..	..	..	..	
	Total, Polavaram ..	..	21,937	22,068	13	22,055	376	
	Total for the Main division (General).	..	67,446	1,60,281	13	1,60,268	2,014	
	Total for the Sub-division, (General).	..	2,27,856	2,93,982	7,591	2,86,391	5,180	
	Total, Gódávari, (General).	..	2,95,302	4,54,263	7,604	4,46,659	7,194—1*	* Deducted as per Accountant-General's audited figures.
Kistna—Special protection—Bezwada range.	Kondapalli reserve ..	1884–1885	2,839	545	200	345	132	
	Kottur reserve	1904–1905	..	370	..	370	22	
	Kottur Extension No. 2 ..	1904–1905	..	50	..	50		
	Dasullapalem reserve ..	1904–1905	..	50	..	50		
	Jangalapalli reserve ..	1904–1905	..	59	..	59	13	
	Velgadam reserve ..	1904–1905	..	50	..	50		
	Kondur reserve	1903–1904	200	200	..	200		
	Jaggavapeta reserve ..	1904–1905	..	50	..	50	12	
	Budavada reserve ..	1904–1905	..	69	..	69		
	Total, Bezwada ..	..	3,039	1,443	200	1,243	179	
Ellore range.	Yerraguntapalli reserve ..	1887–1888	8,640	8,640	..	8,640	139	
	Barrikonda reserve Extension.	1887–1888	4,010	4,010	..	4,010	90	
	Bandamcherla reserve ..	1887–1888	5,200	5,200	..	5,200	80	
	Total, Ellore ..	..	17,850	17,850	..	17,850	309	
	Total, Kistna (Special) ..	..	20,889	19,293	200	19,093	488	
General protection—Bezwada range.	Kondapalli reserve and Extension No. 1.	..	11,968	21,402	1	21,401	..	
	Kondur	..	...	3,940	1,500	2,440	..	
	Total, Kistna (General) ..	..	11,968	25,342	1,501	23,841	..	
	Total, Kistna (Special and General).	..	32,857	44,635	1,701	42,934	488	
Guntúr—Special protection.	Venkatayapalem reserve Compartments I, II and III.	1894–1895	14,906	15,588	60	15,528	48	
	Bollapalli reserve compartments I to VI.	1885–1886	8,434	18,584	1	18,583	5	
	Coupes in Vinukonda range.	...	..	700	20	680		
	Gangalakunta reserve ..	1890–1891	5,008	..	..	..	..	
	Paswemula reserve ..	1892–1893	1,088	..	..	..	..	
	Total, Guntúr (Special) ..	..	29,436	34,872	81	34,791	53	
General protection.	Venkatayapalem reserve..	..	24,978	24,978	..	24,978	..	
	Gangalakunta reserve ..	..	878	17,659	..	17,659	..	
	Paswemula reserve ..	...	9,412	18,375	..	18,375	..	
	Total, Guntúr (General) ..	..	35,268	61,012	..	61,012	..	
	Total, Guntúr (Special and General).	..	64,704	95,884	81	95,803	53	

Area of Forest Tracts protected from Fire during 1904–1905—*cont.*

District.	Forest tracts.	Year in which protection commenced.	Area protected during the previous year.	During dry season of 1904–05.			Cost during the season.	Remarks.
				Area attempted to be protected.	Fires.	Actually protected.		
1	2	3	4	5	6	7	8	9
	Northern Circle—cont.		ACS.	ACS.	ACS.	ACS.	RS.	
Kurnool* East—Special protection.	"A" block	1889 ..	1,199					
	South Chelama	1891 ..	1,965					
	Do. Addition	1894 ..	3,378					
	Diguvametta	1891 ..	650					
	Zangambavi	1891 ..	98					
	Chelama improvement felling block.	1895 ..	..					
	Gazulupalli Railway fuel felling coupe.	1902 ..	..	25,600	2,020	23,580	† 9,542	* Includes amount spent on 100 miles of broad fire lines cut outside the 40 square miles actually protected and fire traced.
	Chelama coupe	1902 ..	..					
	Paler dam coupe	1903 ..	322					
	Compartment No. III coupes.	1902 ..	..					
	Fire tracing Railway line and around Chelama house.	..	..					
	Poqupadu block ‡	1904 ..	1,097	..	..	..	..	
	Western Veligond block. ‡	1889 ..	17,642	..	..	..	..	
	Total Kurnool East, Special.	...	26,351	25,600	2,020	23,580	9,542	
Kurnool West—Special protection.	Coupes 1, 2 and 3 in the South Dhone reserve.	1904 ..	..	298	..	298	13	
	Coupes 1, 2 and 3 of North Dhone reserve.	1903 ..	96	1,075	..	1,075	22	
	Coupes 1, 2 and 3 of Kamalapuram reserve.	1903 ..	..	141	..	141	4	
	Coupes 1, 2, 3 and 4 of Gadidemaduju reserve.	1903 ..	164	325	..	325	15	
	Mr. Wood's fire line in the Nallamalais in Velgode Range 18 miles.	1905 ..	..	..	..	..	160	
	Total, Kurnool West, Special.	..	260	1,839	..	1,839	214 § + 4	§ Includes Rs. 3 paid for carting timber obtained in cutting the fire line in Velgode range.
Bellary—Special protection—								
Sundur ..	Ramandrug	1883 ..	6,201	6,841	48	6,793	1,162	
	North-east block	1883 ..	3,211	4,267	306	3,961		
	Donimalai	1883 ..	..	1,112	..	1,112		
	Tornagal	1898-99 ..	50	50	..	50		
Adóni ..	Kupgal	1892-93 ..	497	497	35	462	35	
Bellary ..	Tungabhadra	1892-93 ..	75	75	..	75	23	
	Malapanagudi Yepi block.	1886-87 ..	1,066	1,066	..	1,066	58	
Kudligi ..	Shivapuram	1902-1903.	200	200	200	..	30	
Harpanahalli.	Chiribi	1899-1900.	Abandoned.		Abandoned.			
	Hyrada coupes	1899-1900.	..	2,000	2,000	..	7	
	Total, Bellary, Special	..	11,300	16,108	2,589	13,519	1,315	
Anantapur—Special protection.	1. Muchukota	1884 ..	6,800	10,000	..	10,000	205	
	2. Kothakota	1884 ..	11,012	11,016	2,040	8,976	327	
	3. Amagondapaliem	1884 ..	15,360	15,360	20	15,340	281	
	4. Nyalakota	1890 ..	12,056	12,156	15	12,141	347	
	5. Konappayanipalli Working Circle, Narasampalli reserve compartment I.	1905 ..	..	1,215	..	1,215	28	
	6. Penukonda town Working Circle, Penukonda reserve compartment I.	1905 ..	..	1,700	..	1,700	22	
	7. Yerrachcrla Working Circle compartment I.	1905 ..	..	411	..	411	15	
	8. Rallahalli Working Circle, Kekathi reserve compartment I.	1905 ..	..	626	..	626	18	
	Total, Anantapur (Special).	..	45,228	52,484	2,075	50,409	1,243 ‡ — 1	‡ Deducted as per Accountant-General's audited figures.
General protection.	Guttur (West)	1887 ..	2,980	3,880	400	3,480	20	
	Total, Anantapur, Special and General.	..	48,208	56,364	2,475	53,889	1,262	
	Total, Northern Circle Special).	..	171,598	192,542	7,073	185,469	15,802	
	Total, Northern Circle (General).	..	519,582	732,317	10,306	721,011	7,341	
	Grand Total, Northern Circle.	..	691,180	924,859	17,379	907,480	23,143	

* These reserves now form the Railway fuel Working Circle.

† These two blocks were not taken up during the year, as Mr. Cox wanted to concentrate efforts on fire protection in one locality; and also because both these blocks were burnt almost completely in 1903-1904.

Area of Forest Tracts protected from Fire during 1904-1905—*cont.*

District.	Forest tracts.	Year in which protection commenced.	Area protected during the previous year.	During dry season of 1905.			Cost during the season.	Remarks.
				Area attempted to be protected.	Fires.	Actually protected.		
1	2	3	4	5	6	7	8	9
	Central Circle.		ACS.	ACS.	ACS.	ACS.	RS.	
Cuddapah (*a*) Special protection.	Settigunta	1905 ..	8,960	8,960	300	8,660		
	Chiyyavaram	1905 ..	7,747	7,747	..	7,747		
	Kodur Hill	1905 ..	13,995	13,995	730	13,265	129	
	Gottimanikona	1905 ..	..	5,569	..	5,569		
	Silivendla	1905 ..	..	17,599	1,050	16,549		
	Seshachellam	1905 ..	77,085	150,203	4,783	145,420	1,647	
	Tenukonda	1905 ..	..	1,048	26	1,022	..	
Pullampet.	Reddipalle	1905 ..	..	1,873	..	1,873	..	
	Vattaloor	1905 ..	..	2,880	..	2,880	..	
	Yerrakonda	1905 ..	..	8,292	..	8,292	..	
	Buduguntlapalle	1905 ..	..	4,674	..	4,674	..	
	Cheyyer	1905 ..	..	5,592	..	5,592	..	
	Patoor	1905 ..	..	3,495	..	3,495	..	
	Kannekalakonda	1905 ..	..	4,764	..	4,764	..	
	Chitvel	1905 ..	..	15,922	10	15,912	..	
Sidhout ..	Palakondas	1905 ..	12,420	35,538	..	35,538	328	
	Cheyyer	1905 ..	..	588	..	588	..	
	Patoor	1905 ..	..	4,735	..	4,735	..	
	Kannekalakonda	1905 ..	..	2,373	..	2,373	..	
	Vontimitta	1905 ..	..	7,029	..	7,029	..	
	Konarazopalle	1905 ..	..	26,811	..	26,811	74	
	Kanamalapalle	1905 ..	..	7,895	..	7,895	..	
	Lanka Malais *	..	17,660	..	..	..	..	
	Lanka Coupes	1905 ..	..	1,353	..	1,353	118	
Badvel ..	Nallamalais *	..	27,558	..	..	..	..	
	Chettumappa coupe in Nallamalais	1905 ..	..	80	..	80	..	
	Kurumadu coupe in Nallamalais	1905 ..	..	80	8	72	94	
	Lankamalais Coupe ..	1905 ..	..	40	..	40	31	
Proddatur ..	Nallamalais *	..	34,000	..	..	..	..	
Cuddapah ..	Nallamalais Tippireddipalli Coupe .. Yakerlapalliem ..	1905 ..	..	119	2	117	79	
	Lankamalais *	..	17,140	..	..	..	..	
	Lankamalais Coupe I ..	1905 ..	..	50	..	50		
	Lankamalais II ..	1905 ..	..	100	..	100	90	
	Lankamalais III ..	1905 ..	..	1,000	..	1,000		
Kadiri ..	Palakondas	..	35,510	35,510	158	35,352	778	
	Ganganapalle	..	250	52,343	1,220	51,123	..	
	Idupulapaya	1905 ..	..	20,259	..	20,259	..	
	Redlacheruvoo	1905 ..	..	6,420	..	6,420	..	
	Nigidi	..	27,770	29,957	..	29,957	83	
	Malakavemala	1905 ..	..	2,760	25	2,735	..	
Rayachóti ..	Seshachellam	1905 ..	..	30,819	5,893	24,926	367	
	Yerrakonda	1905 ..	..	11,219	..	11,219	..	
	Gadikotu	1905 ..	..	21,345	..	21,345	..	
	Palakondas	1905 ..	..	46,877	420	46,457	108	
	Idupalapaya	1905 ..	..	14,984	..	14,984	..	
	Sibyala	1905 ..	..	4,215	..	4,215	..	
	Tundupalle	1905 ..	..	3,000	..	3,000	..	
	Palimerapalle	1905 ..	..	1,702	..	1,702	..	
	Cheyyer	1905 ..	..	3,400	..	3,400	..	
Vayalpad.	Horsleykonda	1904 ..	10,000	21,739	4,160	17,579	103	
	Seshachellam	1904 ..	33,586	33,586	5,333	28,253	239	
	Tadukonda *	..	2,200	..	..	..	..	
	Bhakrapet	1904 ..	..	10,600	65	10,535	..	
	Total, Cuddapah, Special.	..	325,881	691,139	† 24,183	666,956	3,663	
Nellore ..	Udayagiri Veligondas A and B blocks.	1883 ..	59,650	60,000	38	59,962	510	
	Gundalakonda attached to Veligonda A in Udayagiri range.	1903 ..	720	720	..	720		
	Rapur-Veligondas A and B blocks in Rapur range.	1883 ..	29,328	30,720	2	30,718	444	
	Nandanavanam block and its extensions A and B and Vedullacheruvu or Kanigiri-Veligondas in Kanigiri range.	1883 ..	25,060	26,780	..	26,780	271	

* Protection abandoned this year

† Fires in an additional area of 1,133 acres subsequent to the first year 1904-1905.

(*a*) The variations between the figures entered in column 4 of the return for 1904-1905 and those entered in column 7 of the previous year's return are due to the adoption of revised figures.

Area of Forest Tracts protected from Fire during 1904-1905—*cont.*

District.	Forest tracts.	Year in which protection commenced.	Area protected during the previous year.	During dry season of 1905.			Cost during the season.	Remarks.
				Area attempted to be protected.	Fires.	Actually protected.		
1	2	3	4	5	6	7	8	9
	Central Circle—cont.		ACS.	ACS.	ACS.	ACS.	RS.	
Nellore—*cont.*	Udayagiri-Durgam hill and Korisakonda in Udayagiri range.	1902 ..	15,730	15,760	..	15,760	63	
	Udayagiri-Yerrakondas ..	1903 ..	14,080	14,080	..	14,080	64	
	Total, Nellore ..	..	144,568	148,060	40	148,020	1,352	
Chingleput range. Tiruvallúr range.	Maiyur Revised Forest ..	1900-01 ..	283	283	..	283	17	
	Karunguli Revised Forest.	Do.	16	16	..	16	..	
	Kambakkam revised forest.	1883-84 ..	15,879	15,879	..	15,879	362	
	Nagalapuram Revised Forest.	..	9,492	9,632	..	9,632		
	Total, Chingleput ..	..	25,670	25,810	..	25,810	379 *	* Cost of fire patrol.
North Arcot—Special protection—Chittoor range.	Chittapara	1888 ..	4,276	4,276	..	4,276	29	
	Paradaram	1880 ..	9,040	9,100	..	9,100	22	
	Pachigunta	1888 ..	1,800	1,800	..	1,800	23	
	Irola A and B	1888 ..	12,136	12,531	157	12,374	22	
	Do. extension ..	1893 ..	2,650	2,650	20	2,630	12	
	Parapumalai	1899 ..	2,227	2,227	..	2,227	15	
	Tavanampalle	1899 ..	1,862	1,862	5	1,857	16	
	Puthalapattu	1891 ..	3,077	3,077	..	3,077	8	
	Dhamalcheruvu A and B.	1892 ..	2,368	2,368	..	2,368	12	
	Padinpurtlabylu	1880 ..	4,294	4,294	200	4,094	15	
	Kinatipalli reserve ..	1884 ..	1,417	1,417	..	1,417	15	
	Chilapalle reserve	1884 ..	1,166	1,166	..	1,166	16	
	Basavapalle A and B ..	1888 ..	1,784	1,784	8	1,776	7	
	Do. Extension ..	1894 ..	841	841	..	841	9	
	Virisettepalle reserve ..	1888 ..	7,044	7,044	..	7,044	15	
	Chittoor reserve	1882 ..	385	385	..	385	18	
	Total, Chittoor ..	..	56,367	56,822	390	56,432	254	
Chandragiri.	Napier reserve	1880 ..	8,826	8,826	..	8,826	71	
	Mamandur	1874 ..	1,760	1,760	105	1,655	67	
	Do. extension ..	1888 ..	9,491	10,291	..	10,291	71	
	Tirupati hill reserve ..	1888 ..	18,204	18,554	72	18,482	71	
	Channala	1880 ..	18,692	19,142	655	18,487	81	
	Nagapatla	1890 ..	18,472	18,912	412	18,500	80	
	Mungilpatla	1890 ..	27,429	27,744	..	27,744	88	
	Panapakam	1880 ..	17,238	17,318	20	17,298	55	
	Tirupati extensions A and B.	1891 ..	6,098	6,298	..	6,298	50	
	Total, Chandragiri ..	..	126,210	128,845	1,264	127,581	634	
Palmanér ..	Peddanaigdrug	1880 ..	12,959	14,419	504	13,915	47	
	Mordana	1884 ..	7,930	9,200	87	9,113	86	
	Charagal	1888 ..	6,688	6,719	560	6,159	51	
	Peddur	1880 ..	15,101	16,526	200	16,326	62	
	Naickaneri	1880 ..	5,552	6,340	..	6,340	69	
	Musalimadugu	1884 ..	5,542	5,542	290	5,252	208	
	Palmanér	1892 ..	6,153	6,298	153	6,145	99	
	Total ..	..	59,925	65,544	1,794	63,750	622	
Gudiyáttam.	Penamadangi reserve ..	1887 ..	10,515	10,515	1	10,514	17	
	Naickneri	1884 ..	4,563	5,153	100	5,053	29	
	Mordana (Gudiyáttam portion).	1884 ..	12,914	14,614	300	14,314	64	
	Amburdrug	1884 ..	10,003	10,139	..	10,139	56	
	Mordana extension ..	1891 ..	8,774	9,094	460	8,634	20	
	Gundlapalli	1894 ..	7,354	7,354	..	7,354	22	
	Syneggunta	1891 ..	7,306	7,306	..	7,306	24	
	Charagal (Gudiyáttam portion.)	1893 ..	11,231	11,566	530	11,036	71	

Area of Forest Tracts protected from Fire during 1904–1905—*cont.*

District.	Forest tracts.	Year in which protection commenced.	Area protected during the previous year.	During dry season of 1905.			Cost during the season.	Remarks.
				Area attempted to be protected.	Fires.	Actually protected.		
1	2	3	4	5	6	7	8	9
North Arcot--	*Central Circle*—cont.		ACS.	ACS.	ACS.	ACS.	RS.	
Special protection—*cont.* Gudiyáttam—*cont.*	Kunjanur	1893 ..	1,445	1,549	..	1,549	3	
	Karapet ..	1892 ..	7,596	8,000	190	7,810	76	
	Naickaneri extension ..	1887 ..	1,568	1,568	50	1,518	14	
	Paradarami extension ..	1889 ..	1,888	1,888	..	1,888	12	
	Do. reserve ..	1903 ..	4,302	4,302	..	4,302	10	
	Jangalapalli	1903 ..	2,734	2,734	..	2,734	20	
	Pallalacuppam	1903 ..	94	94	..	94	5	
	Kallapady	1894 ..	6,945	6,945	..	6,945	24	
	Total, Gudiyáttam ..	..	99,232	102,821	1,631	101,190	467	
Vellore ..	Arasampat reserve ..	1887 ..	15,564	17,890	205	17,685	153	
	Ambur fuel	1879 ..	5,453	5,453	365	5,088	3	
	Vellakal	1889 ..	3,732	5,037	210	4,827	52	
	Ambur	1887 ..	25,818	27,878	990	26,888	97	
	Athiyur	1889 ..	4,628	4,800	40	4,760	50	
	Palamadi	1880 ..	6,629	8,160	460	7,700	62	
	Tellai	1891 ..	469	1,330	15	1,315	28	
	Karuthamalai	1882 ..	20,131	20,486	..	20,486	60	
	Kylasagiri	1892 ..	1,724	2,534	..	2,534	46	
	Kaniyambadi	1892 ..	5,082	5,472	375	5,097	10	
	Banavaram	1880 ..	1,022	1,022	2	1,020	6	
	Punganur	1884 ..	8,667	13,498	874	12,624	63	
	Ammur	1884 ..	5,139	5,139	..	5,139	4	
	Total, Vellore ..	..	104,068	118,699	3,536	115,163	634	
Pólúr ..	Karnatighur	1881 ..	7,270	7,270	1	7,269	150	
	Malayalam	1887 ..	25,468	28,614	979	27,635	123	
	Mulacad	1890 ..	14,934	15,744	560	15,184	109	
	Santavasal	1890 ..	9,591	9,671	172	9,499	53	
	Periamalai	1892 ..	6,910	6,970	418	6,552	42	
	Thellai	1891 ..	14,762	14,862	41	14,821	22	
	Vellimalai	1893 ..	1,978	2,003	1,100	903	11	
	Virappanur	1886 ..	31,469	31,469	..	31,469	..	
	Parvadamalai	1892 ..	5,779	5,779	430	5,349	28	
	Kelur	1884 ..	2,989	2,989	16	2,973	5	
	Total, Pólúr ..	..	124,150	125,371	3,717	121,654	543	
	Total, North Arcot, Special.	..	569,952	598,102	12,332	585,770	3,154	
North Arcot—General protection— Chittoor ..	Santhapet	1882 ..	2,068	2,148	..	2,148	..	
	Bomasamudram A and B.	1891 ..	1,128	1,128	..	1,128	..	
	Vavilthotta	1891 ..	2,107	2,107	..	2,107	..	
	Kinatipalle extension ..	1892 ..	1,282	1,312	..	1,312	..	
	Bomasamudram extension.	1893 ..	994	994	..	994	..	
	Reddigunta	1893 ..	1,441	1,441	..	1,441	..	
	Chasel hill	1893 ..	2,692	2,692	..	2,692	..	
	Santhapet ext. A, B & C.	1893 ..	483	483	..	483	..	
	Mahimandalam	1888 ..	2,528	2,528	..	2,527	..	
	Kinatipalli extension B ..	1893 ..	25	25	..	25	..	
	Total, Chittoor ..	..	14,748	14,858	1	14,857	..	
Chandragiri.	Sanambatla	1892 ..	5,094	5,139	..	5,139	..	
	Pakala A and B (*a*) ..	1894 ..	2,035	2,035	..	2,035	..	
	Napier extension	1900 ..	26	26	..	26	..	
	Penumur	1893 ..	1,350	1,350	..	1,350	..	
	Panapakkam extension ..	1892 ..	9,082	9,082	10	9,072	..	
	Chandragiri hill (*a*) ..	1892 ..	1,293	1,293	..	1,293	..	
	Penumur extension A & B. (*a*)	1893 ..	3,123	3,123	..	3,123	..	
	Do. (Chittoor portion)	1891 ..	1,082	1,082	..	1,082	..	
	Total, Chandragiri ..	..	23,085	23,130	10	23,120	..	

(*a*) The variations between the figures entered in column 7 of the previous year's return and those entered in column 4 of the return for 1904-1905 is reported to be due (i) to the transfer of areas from supplement II to form No. 51 of 1903–1904 to general protection during this year and (ii) to transfer from general to special protection and *vice versâ*.

Area of Forest Tracts protected from Fire during 1904–1905—*cont.*

District.	Forest tracts.	Year in which protection commenced.	Area protected during the previous year.	During dry season of 1905.			Cost during the season.	Remarks
				Area attempted to be protected.	Fires.	Actually protected.		
1	2	3	4	5	6	7	8	9
	Central Circle—cont.		ACS.	ACS.	ACS.	ACS.		
North Arcot—General protection—*cont.*	Basuvareddipalli B (*a*) ..	1884 ..	4,983	5,492	62	5,430		
	Melmoy	1884 ..	1,268	1,568	..	1,568		
	Patticonda	1893 ..	5,190	5,190	..	5,190		
	Musalimadugu extension.	1895 ..	1,875	1,875	..	1,875		
Palmanér ..	Basuvareddipalli A ..	1895 ..	1,985	2,170	240	1,930		
	Do. B ..	1895 ..	5,487	5,792	..	5,792		
	Alapalli	1895 ..	2,029	2,029	..	2,029		
	Nellipatla	1895 ..	6,905	7,135	3	7,132		
	Virlabanda	1895 ..	2,419	2,569	4	2,565		
	Thotakanama	1895 ..	4,305	4,710	70	4,640		
	Peddur extension (*a*) ..	1902 ..	9,369	9,394	120	9,274		
	Total, Palmanér ..	..	45,815	47,924	499	47,425		
Gudiyáttam.	Pallalacuppam reserve ..	1892 ..	6,578	6,728	80	6,648		
	Do. extensions A and B. (*a*)	1893 ..	5,883	5,883	..	5,883		
	Bommanaickenpaliam. (*a*)	1894 ..	913	913	..	913		
	Synagunta extensions A & B.	1892 ..	2,496	2,496	..	2,496		
	Kempasamudram A & B. (*a*)	1893 ..	1,335	1,415	30	1,385		
	Gundalapalli extension ..	1894 ..	928	928	..	928		
	Total, Gudiyáttam ..	..	18,133	18,363	110	18,253		
Vellore ..	Vellore reserve	1892 ..	2,113	2,413	..	2,413	*Nil.*	
	Pallicondá	1892 ..	3,478	3,898	..	3,898		
	Nellimalai	1892 ..	2,792	2,797	..	2,797		
	Paravaimalai	1892 ..	7,078	7,078	..	7,078		
	Ammunur	1880 ..	203	203	..	203		
	Appukal	1892 ..	650	800	25	775		
	Sawancuppam	1893 ..	12,420	13,843	..	13,843		
	Vannimedu plantation. (*a*)	1880 ..	38	38	2	36		
	Total, Vellore ..	..	28,772	31,070	27	31,043		
Pólúr ..	Arasambut reserve ..	1884 ..	12,824	12,824	..	12,824		
	Patrakad	1881 ..	24,594	25,254	290	24,964		
	Kappalur	1884 ..	1,479	1,504	..	1,504		
	Aliayalamangalam ..	1884 ..	10,027	10,027	12	10,015		
	Santavasal extensions A & B.	1892 ..	331	331	..	331		
	Brahmanbatteri	1884 ..	561	561	..	561		
	Kodiyalam	1884 ..	243	243	..	243		
	Budur A & B.	1884 ..	835	835	..	835		
	Vengunram	1884 ..	1,288	1,288	5	1,283		
	Nambedu	1884 ..	947	947	..	947		
	Vishamangalam	1884 ..	1,148	1,148	..	1,148		
	Ponmur	1884 ..	1,656	1,656	..	1,656		
	Nedungal	1884 ..	2,298	2,298	..	2,298		
	Nambedu extensions A, B & C.	1895 ..	397	397	..	397		
	Nedungunam	1884 ..	1,697	* 1,637	2	1,635		* 60 acres have been disafforested.
	Pathur	1879 ..	18,458	18,458	..	18,458		
	Total, Pólúr ..	..	78,783	79,408	309	79,099	..	
	Total, General Protection.	..	209,336	214,753	956	213,797	..	
	Total, Special Protection.	..	569,952	598,102	12,332	585,770	3,154	
	Total, North Arcot, Special and General.	..	779,288	812,855	13,288	799,567	3,154	
South Arcot, Special protection—Tiruvannámalai range.	Anamalai Reserved forest.	1878 ..	2,640	2,640	55	2,585	198	
	Kanthumalai	1878 ..	7,084	7,085	270	6,815	146	
	Tenmalai.	1877 ..	30,391	31,706	6,283	25,423	178	
	Nallapattu	1889 ..	5,094	5,094	..	5,094	261	
	Pelamarudur	1889 ..	5,075	5,075	..	5,075	..	
	Paramanandal	1895 ..	1,517	1,517	..	1,517	..	
	Mudanai	1898 ..	7,046	7,046	1	7,045	..	

(*a*) The variations between the figures entered in column 7 of the previous year's return and those entered in column 4 of the return for 1904–1905 is reported to be due (i) to the transfer of areas from Supplement II to form No. 51 of 1903–1904 to general protection during this year and (ii) to transfer from general to special protection and *vice versâ*.

Area of Forest Tracts protected from Fire during 1904-1905—*cont.*

District.	Forest tracts.	Year in which protection commenced.	Area protected during the previous year.	During dry season of 1905.			Cost during the season.	Remarks.
				Area attempted to be protected.	Fires.	Actually protected.		
1	2	3	4	5	6	7	8	9
South Arcot, Special protection—*cont.* Tiruvannámalai range—*cont.*	*Central Circle*—cont.		ACS.	ACS.	ACS.	ACS.	RS.	
	Valasamalai	1883-84 ..	12,369	12,369	40	12,329	263	
	Nathampalli	1889 ..	7,270	7,270	..	7,270	..	
	P. Samimalai	1883-84 ..	9.257	9,312	578	8,734	81	
	Chinnasamudram ..	1900 ..	2,841	2,842	45	2,797	45	
	Damarcadu	1900 ..	3,759	3,764	498	3,266	85	
Kallakurchi range.	Tagarai	1883-84 ..	14,338	14,338	..	14,338	192	
	Total, South Arcot, Special.	..	108,681	110,058	7,770	102,288	1,449	
North Salem—Special protection Tiruppattúr range.	Singarapet	1881 ..	2,636	739	..	739	41	
	Total, Tiruppattúr ..	..	2,636	739	..	739	41	
Hosúr range.	Melagiri	1885 ..	5,461	5,461	7	5,454	112	
	Kanavoi Kottapatti ..	1885 ..	742	742	..	742	23	
	Gulhatti	1885 ..	3,248	3,248	..	3,248	88	
	Manchi	1885 ..	3,105	3,305	3,305	..	23	
	Kanavanagasandiram ..	1885 ..	416	416	3	413	21	
	Total, Hosúr ..	..	12,972	13,172	3,315	9,857	267	
	Total, North Salem, Special.	..	15,608	13,911	3,315	10,596	308	
North Salem—General protection Tiruppattúr range.	Alangayam	1891 ..	1,302	1,302	..	1,302	53	
	Narasingapuram	1893 ..	407	310	..	310	8	
	Kalarapatti	1895 ..	728	728	..	728	21	
	Punguiam coupes.. ..	1895-96 ..	800	1,366	..	1,366	13	
	Andiyappanur	1894 ..	1,135	1,326	..	1,326	79	
	Govindapuram	1895 ..	815	369	..	369	11	
	Kottur (Yelagiris) ..	1885 ..	1,225	1,225	..	1,225	41	
	Onnakarai	1897 ..	1,363	..	..	..	10	
	Kallavi	..	1,303	1,858	..	1,858	22	
	Kothur block	1883 ..	1,200	1,200	..	1,200	35	
	Naralacota	1893 ..	1,452	1,452	..	1,452	66	
	Maharajagadai	1896 ..	1,736	1,436	75	1,361	79	
	Mangalam	1901-1902.	981	981	..	981	42	
	Elavambadi	1902-1903.	726	1,894	..	1,894	22	
	Mambakkam	1904-1905.	..	118	..	118	7	
	Nandibunda	1904-1905.	..	..	..	..	8	
	Nagaluthu coupe I ..	1904-1905.	..	96	..	96	..	
	Jolarpet new coupe I ..	1904-1905.	..	62	..	62	..	
	Total, Tiruppattúr ..	..	15,173	15,723	75	15,648	517	
North Salem—Dharmapuri range.	Thoppoor coupes	1904-1905.	200	200	*Nil.*	200	11	
Hosúr range.	Jowlagiri	1900 ..	5,145	5,160	570	4,590	44	
	Noganur coupe	1900 ..	338	338	..	338	24	
	Total, Hosúr ..	..	5,483	5,498	570	4,928	68	
	Total, North Salem, General.	..	20,856	21,421	645	20,776	596	
	Total, North Salem, Special and General.	..	36,464	35,332	3,960	31,372	904	
South Salem—Special protection Salem, East.	Shevaroys South Working Circle, new coupes 1—5.	1901 ..	2,022	2,451	200	2,251	153	
	Pannikaradu	1882 ..	1,929	1,929	..	1,929		
	Kurumbapatti old coupes 1-25.	1897 ..	4,000	4,000	..	4,000		
	Nagaramalai	1901 ..	400	684	..	684	26	
	Shevaroys East Working Circle, new coupes 1 to 4 and 76 acres in coupe 5.	1902 ..	1,393	1,900	..	1,900	57	
	Kapputhu old coupes ..	1897 ..	1,000	1,135	..	1,135	18	
	Gothamalai old coupes ..	1903 ..	1,985	2,100	..	2,100	46	
	Do. new coupe 1.	1905 ..	..	220	..	220	12	
	Jalluthu new coupe 1 ..	1905 ..	..	192	..	192	15	

Area of Forest Tracts protected from Fire during 1904-1905—*cont.*

District.	Forest tracts.	Year in which protection commenced.	Area protected during the previous year.	During dry season of 1905.			Cost during the season.	Remarks.
				Area attempted to be protected.	Fires.	Actually protected.		
1	2	3	4	5	6	7	8	9
South Salem—Special protection—*cont.*	*Central Circle*—cont.		ACS.	ACS.	ACS.	ACS.	RS.	
Salem, East—*cont.*	Vellalagundam coupe 1 ..	1905 ..	..	184	..	184	..	
	Pudupatti coupe 1 ..	1905 ..	..	252	..	252	15	
	Total, Salem East..	..	12,729	15,047	200	14,847	342	
Salem, West.	Vadugampatti specially protected block.	1881 ..	1,976	1,976	..	1,976	..	
	Morur specially protected block.	1881 ..	799	799	..	799	56	
	Ammaneri specially protected block.	1882 ..	252	252	..	252	..	
	Pilapalli Kombai specially protected block.	1882 ..	890	981	..	981	..	
	Shevaroys West Working Circle, coupes 1—5.	1900 ..	2,231	1,502	250	1,252	43	
	Kanjeri specially protected block.	1882 ..		1,929	..	1,929	..	
	Sanyasimalai plantations.	1904 ..	380	480	4	476	14	
	Vanavasi Working Circle coupes.	1904 ..	294	294	..	294	82	
	Konur coupes	1904 ..	373	373	..	373		
	Suriamalai coupes ..	1904 ..	524	524	..	524		
	Total, Salem West ..	..	7,719	9,110	254	8,856	195	
Lokur Working Circle.	Manakondamalai coupes.	1904 ..	1,398	1,398	..	1,398	50	
	Karuvattuparai specially protected block.	1883 ..	837	837	..	837	..	
	Total, Lokur Working Circle.	..	2,235	2,235	..	2,235	50	
Atur ..	Pattimedu old coupe ..	1902 ..	20	20	..	20	6	
	Do. new coupe ..	1902 ..	50	125	..	125		
	Panmadal new coupe ..	1902 ..	50	50	..	50	..	
	Do. old coupe ..	1902 ..	60	60	..	60	..	
	Mannur coupe	1902 ..	136	136	..	136	..	
	Nagalur old coupe ..	1882 ..	60	60	..	60	5	
	Do. new coupe ..	1905 ..	..	138	..	138		
	Jadaygoundan new coupe.	1905 ..	..	264	..	264	4	
	Gangavalli new coupe ..	1905 ..	..	320	..	320	10	
	Manar new coupe.. ..	1905 ..	..	171	..	171	7	
	Total, Atur ..	..	376	1,344	..	1,344	32	
Harur ..	Harur specially protected block.	1882 ..	1,029	1,029	..	1,029	91	
	Mallapuram specially protected block.	1882 ..	606	606	..	606	57	
	Harur Working Circle coupes 1 — 4—	..						
	A series	1904 ..	447	595	..	595	125	
	B „	1904 ..	302	405	..	405		
	C „	1904 ..	107	207	..	207		
	D „	1902 ..	302	431	..	431		
	E „	1902 ..	165	218	..	218		
	Ponniar Working Circle, coupes 1—3.	1902 ..	465	721	..	721	47	
	Shevaroys North Working Circle, coupes 1—4.	1902 ..	803	2,413	..	2,413	108	
	Kouramalai Working Circle, coupes 1—4.	1902 ..	1,231	1,641	..	1,641	68	
	Kouramalai old coupes ..	1898 ..	609	609	..	609		
	Chitteri South-West Working Circle, coupes 1—4.	1902 ..	1,354	1,807	..	1,807	48	
	Chitteri North Working Circle, coupes 1—3—							
	A series	1904 ..	1,355	1,355	..	1,355	71	
	B „	1902 ..	1,351	1,351	..	1,351		
	Kuriappu kombai specially protected block.*	1897 ..	181	181	..	181	51	
	Total, Harur ..	..	10,307	13,569	..	13,569	666	
	Total, South Salem, Special	..	38,366	41,305	454	40,851	1,285	

* Omitted to be shown in last year's shown by mistake.

Area of Forest Tracts protected from Fire during 1904-1905—*cont.*

District.	Forest tracts.	Year in which protection commenced.	Area protected during the previous year.	During dry season of 1905.			Cost during the season.	Remarks.
				Area attempted to be protected.	Fires.	Actually protected.		
1	2	3	4	5	6	7	8	9
	Central Circle—cont.		ACS.	ACS.	ACS.	ACS.	RS.	
South Salem—General protection—Atur range.	Nagalur reserve ..	1905 ..	..	7,640	30	7,610	56	
	Mannur do. ..	1905 ..	..	9,158	19	9,139	30	
	Gangavalli do. ..	1905 ..	..	7,579	..	7,579	38	
	Total, Atur range ..	..	..	24,377	49	24,328	124	
Námakkal.	Pubansholai reserve ..	1904-1905.	..	6,784	..	6,784	9	
	Shelur do. ..	1904-1905.	..	13,762	33	13,729	21	
	Jamboothu do. ..	1904-1905.	..	5,013	30	4,983	9	
	Karavalli do. ..	1904-1905.	..	8,664	..	8,664	6	
	Total, Namakal ..	..	..	34,223	63	34,160	45	
	Total, South Salem, General.	..	..	58,600	112	58,488	169	
	Total, South Salem, Special and General.	..	33,366	99,905	566	99,339	1,454	
Trichinopoly—General protection—								
Musiri range.	Sengattupatti	1885-86 ..	2,850	3,000	..	3,000	..	
	Manmalai	1887-88 ..	5,850	6,000	..	6,000	..	
	T. Kanapadi	1887-88 ..	12,000	12,000	20	11,980	..	
	Karuppan Kadu Thittu ..	1887-88 ..	2,000	2,000	..	2,000	..	
	Mélúr	1885-86 ..	3,000	3,000	..	3,000	..	
	V. Kanapadi	1887-88 ..	10,000	10,000	2	9,998	..	
	Palamalai	1888-89 ..	10,000	10,000	..	10,000	..	
	Kaliammankoil Thittu ..	1889-90 ..	1,500	1,500	..	1,500	..	
	Kanapadi Kannimarsolai.	1889-90 ..	2,560	2,560	..	2,560	* 145	
	Total, Musiri ..	..	49,760	50,060	22	50,038	145	* The amount paid to Malagalis on the Pachamalais with whom agreements are entered into for keeping the lines clear and preserving the forest safe from fire.
Perambalúr range.	Manalodai	1885-86 ..	4,991	5,000	..	5,000	..	
	Sholamathi	1885-86 ..	6,000	6,000	..	6,000	..	
	Selaiyur	1889-90 ..	1,600	1,600	..	1,600	..	
	Puliyur	1890-91 ..	10,000	10,000	7	9,993	..	
	Sengathur	1890-91 ..	10,000	10,000	..	10,000	..	
	Valaiyur	1900-1901.	1,655	1,655	1	1,654	..	
	Arasadi Arivithi ..	1900-1901.	3,541	3,541	..	3,541	..	
	Pulambadi No. I	1900-1901.	2,489	2,494	..	2,494	..	
	Total, Perambalúr ..	..	40,276	40,290	8	40,282	..	
	Total, Trichinopoly, General.	..	90,036	90,350	30	90,320	145	
	Total, Central Circle, Special.	..	1,053,488	1,454,515	48,054	1,406,461	9,859	
	Total, Central Circle, General.	..	490,466	558,994	1,783	557,211	2,641	
	Grand Total, Central Circle, Special and General.	..	1,543,954	2,013,509	49,837	1,963,672	12,500	
	Southern Circle.							
South Canara—Special protection—Coondapoor range.	Sarpanamane and Savantagudde.	1886-87 .. / 1896-97 ..	789	1,390	..	1,390	44	
	Honnukodlu	1894-95 ..	584	576	..	576	33	
	Herur	1893-94 ..	2,839	2,880	5	2,875	115	
	Talaburave	1895-96 ..	611	610	..	610	35	
	Chittur	..	2,223	2,234	29	2,205	38	
	Kadike	..	2,711	2,800	4	2,796	35	
	Karnigadde	..	1,161	1,100	..	1,100	35	
	Gundaberu and Korakoppa.	1904-05 ..	..	418	25	393	37	
	Total, Coondapoor ..	..	10,918	12,008	63	11,945	372	

Area of Forest Tracts protected from Fire during 1904–1905—*cont.*

District.	Forest tracts.	Year in which protection commenced.	Area protected during the previous year.	During dry season of 1905.			Cost during the season.	Remarks.
				Area attempted to be protected.	Fires.	Actually protected.		
1	2	3	4	5	6	7	8	9
South Canara —Special protection —*cont.*	*Southern Circle*—cont.		ACS.	ACS.	ACS.	ACS.	RS.	
Udipi range.	Chinkramale and extension	1885-86 ..	2,086	3,554	20	3,534	40	
	Tenkahola	1886-87 ..	2,039	2,038	80	1,958	32	
	Mavinakodlu	1895-96 ..	1,602	1,627	8	1,619	40	
	Someshwar timber coupes.	..	1,280	446	2	444	65	
	Jatkatmale	1897-98 ..	1,341	1,386	366	1,020	30	
	Durgamale	..	1,577	1,601	2	1,599	35	
	Total, Udipi ..	..	9,925	10,652	478	10,174	242	
Mangalore range.	Mujimale	1894-95 ..	3,138	3,200	12	3,188	32	
	Todar	1899-90 ..	454	552	7	545	27	
	Hosabettu	..	371	376	54	322	29	
	Naninjemale	1897-98 ..	1,410	836	50	786	25	
	Panamberi	1902-03 ..	571	640	24	616	33	
	Hurabe	1903-04 ..	505	555	12	543	24	
	Kodiamale	..	1,123	1,169	27	1,142	41	
	Total, Mangalore ..	..	7,572	7,328	186	7,142	211	
Uppinangadi range.	Dharmastala	1887-88 ..	4,998	4,992	1,220	3,772	20	
	Porkala	1902-03 ..	4,553	4,563	86	4,477	55	
	Mujur	1901-02 ..	10,096	10,157	475	9,682	93	
	Miyar	..	17,533	17,530	2,500	15,030	60	
	Kombar	..	9,393	1,817	1,680	137	45	
	Kidu	..	6,399	6,413	100	6,313	42	
	Konaje	..	6,632	6,630	550	6,080	51	
	Padnur	1902-03 ..	2,707	3,155	150	3,005	36	
	Kunthur	..	3,854	3,942	33	3,909	40	
	Nerankimale	..	3,937	3,898	519	3,379	34	
	Nidle	..	..	2,560	1,000	1,560	34	
	Shibaje	..	3,456	3,456	620	2,836	16	
	Kadimbilla	..	1,848	1,849	500	1,349	11	
	Total, Uppinangadi ..	..	75,406	70,962	9,433	61,529	537	
Puttur range.	Parappa	1896-97 ..	2,410	2,560	1,920	640	58	
	Kanakamajalu	1899-00 ..	2,177	2,249	2,249	..	61	
	Pumale	1897-98 ..	3,715	3,840	88	3,752	58	
	Muliyar	1903-04 ..	2,105	2,116	400	1,716	76	
	Jalsur add felled area ..	1900-01 ..	5,120	1,500	..	1,500	..	
	Total, Puttur ..	..	15,547	12,265	4,657	7,608	253	
	Total, South Canara, Special.	..	119,348	113,215	14,817	98,398	1,615	
South Canara —General protection.	Sabladi	1884-85 ..	208	208	..	208	6	
	Kasanakatte	1893-94 ..	262	254	4	250	15	
	Harkur	..	858	856	..	856	18	
Coondapoor range.	Darligudde	..	168	192	..	192	8	
	Mudaregudde	..	352	448	..	448	15	
	Abbigudde	1897-98 ..	1,434	1,408	..	1,408	34	
	Baindur	..	5,724	6,069	100	5,969	6	
	Total, Coondapoor ..	..	9,006	9,435	104	9,331	102	
Udipi range.	Pilarkan	1883-84 ..	315	300	..	300	..	
	Manaje	1886-87 ..	423	422	..	422	9	
	Jarvathu	1894-95 ..	418	418	50	368	6	
	Hale Someshwar	1895-96 ..	1,842	1,894	50	1,844	10	
	Mensinkan	1896-97 ..	997	1,008	..	1,008	6	
	Matkalgudde	1897-98 ..	251	251	..	251	4	
	Total, Udipi ..	..	4,246	4,293	100	4,193	35	

Area of Forest Tracts protected from Fire during 1904-1905—*cont.*

District.	Forest tracts.	Year in which protection commenced.	Area protected during the previous year.	During dry season of 1905. Area attempted to be protected.	Fires.	Actually protected.	Cost during the season.	Remarks.
1	2	3	4	5	6	7	8	9
				(*B*) *General protection*—cont.				
South Canara —*cont.*	*Southern Circle*—cont.		ACS.	ACS.	ACS.	ACS.	RS.	
Uppinangadi.	Shiradi extension	1902-03 ..	883	281	..	281	..	
Puttur range.	Virakamba	1897-98 ..	1,643	1,683	70	1,613	5	
	Kalanjimale	1898-99 ..	2,969	3,049	100	2,949	8	
	Kilarmale plantation ..	1901-1902.	100	100	69	31	4	
	Total, Puttur ..	..	4,712	4,832	239	4,593	17	
	Total, South Canara, (General).	..	18,847	18,841	443	18,398	154	
	Total, South Canara, (Special).	..	119,348	113,215	14,817	98,398	1,615	
	Total, South Canara (Special and General).	..	138,195	132,056	15,260	116,796	1,769	
	Add payments of last year (1903-04) made during the current year						64	
						Total ..	1,833	
	Deduct—Cash recoveries made in the year						3	
						Total expenditure ..	1,830	
North Malabar.	Begur	1882-83 ..	15,290	15,366	1,250	14,116	998	
	Chedleth	1887-88 ..	51,307	57,307	1,255	56,052	1,879	
	Kanoth	1894-95 ..	330	380	..	380	80	
	Periah	1894-95 ..	6,400	..	..	..	..	
	Total, North Malabar ..	..	73,327	73,053	2,505	70,548	2,957+ 919 *	
South Malabar—Special protection. Nilambúr range.	Amarampalem reserve ..	1860-61 ..	468	468	..	468	54	
	Chathamborai do. ..	1872-73 ..	624	624	..	624	98	
	Teak plantations	1842-43 ..	3,516	3,516	7	3,509	675	
	Edakode natural forests including Vellachipally.	1898-99 ..	400	2,863	..	2,863	233	
	Pokote natural forests ..	1904-05 ..	..	525	..	525	106	
	Arimbrakuthamalai ..	1899-1900.	322	322	..	322	36	
	Total, Nilambúr range.	..	5,330	8,318	7	8,311	1,202	
Amarampalam range.	Karimpoya reserve ..	1884-85 ..	3,955	3,955	10	3,945	274	
	Nellikutta do. ..	1883-84 ..	1,824	1,824	..	1,824	188	
	New Amarampalam do. ..	1889-90 ..	75,000	75,000	..	75,000	235	
	Kariem, Muriam forests ..	1901-1902.	2,716	2,716	..	2,716	206	
	Total, Amarampalam range.	..	83,495	83,495	10	83,485	903	
Palghat range.	Chenat Nair reserve ..	1884-85 ..	14,563	15,203	13	15,190	345	
	Tamparatti pottai do. ..	1891-92 ..	124	124	23	101	15	
	Dhoni .. do. ..	1898-99 ..	45	45	3	42	34	
	Pulliampalli tope do. ..	1900-1901.	20	20	..	20	5	
	Total, Palghat range ..	..	14,752	15,392	39	15,353	399	
	Total, South Malabar (Special).	..	103,577	107,205	56	107,149	2,504	
The Nilgiris —Special protection.	Mudumalai teak plantation.	1883 ..	25	25	..	25	785	
	Benne-teak plantation ..	1886 ..	40	40	..	40		
	Benne experimental block.	1893 ..	179	179	..	179		
	Tuckles of 1896 and 1899.	1899 ..	25	25	..	25		
	Margadi block	1883 ..	2,781	2,781	..	2,781		
	Margadi blocks Nos. IV and V.	1898 ..	2,686	2,686	100	2,586		
	Moyar reserved forest (east)	1886 ..	3,920	4,000	10	3,990	848	
	Northern Hay and sandal-wood plantation.	1883 ..	22	22	..	22		
	Sandalwood tracts in Sigur reserve forest.	1899 ..	600	600	..	600		
	Moyar West Kallmalai blocks.	1904 ..	8,376	8,976	..	8,976		
	Chemmanguli	1883 ..	25	25	..	25		
	Aranakal	1883 ..	9	9	..	9		

* Added as per Accountant-General's audited figure.

Area of Forest Tracts protected from Fire during 1904-1905—*cont.*

District.	Forest tracts.	Year in which protection commenced.	Area protected during the previous year.	During dry season of 1905.			Cost during the season.	Remarks.
				Area attempted to be protected.	Fires.	Actually protected.		
1	2	3	4	5	6	7	8	9
	Southern Circle—cont.		ACS.	ACS.	ACS.	ACS.	RS.	
The Nilgiris, Special protection —*cont.*	Governor's Shola No. I ..	1883 ..	25	25	..	25		
	Do. No. II ..	1883 ..	30	30	..	30		
	Andi	1883 ..	17	17	..	17		
	Upatti	1883 ..	12	12	..	12		
	Sheffield	1883 ..	25	25	..	25		
	Cully	1883 ..	17	17	..	17		
	Chowghat Cully	1883 ..	26	26	..	26	117	
	Madanah	1883 ..	8	8	..	8		
	Baikie	..	50	50	..	50		
	Aramby	..	430	430	..	430		
	Marlimund	..	11	11	..	11		
	Cairn Hill	..	405	405	..	405		
	Muttunad	1898 ..	80	80	..	80		
	Kullar reserve	1883 ..	919	919	..	919		
	Burliyar	1883 ..	178	178	..	178		
	Ghaut reserve	1883 ..	247	247	..	247		
	Coonoor peak	1883 ..	259	259	..	259		
	Bandishola	1883 ..	111	111	..	111		
	Sim's Park, block No. I.	1883 ..	48	48	..	48		
	Blackbridge	1883 ..	40	40	..	40		
	Little Rallia	1883 ..	10	10	..	10	393	
	Newman	1883 ..	35	35	..	35		
	Rallia	1883 ..	60	60	..	60		
	Longwood addition ..	1883 ..	350	350	..	350		
	Kunjapani sandalwood area.	1898 ..	640	640	..	640		
	Bleakhouse	1899 ..	57	57	..	57		
	Springfield	1899 ..	30	30	..	30		
	Sim's Park, No. II ..	1899 ..	36	36	..	36		
	Total, the Nilgiris (Special).	..	22,844	23,524	110	23,414	2,143	
The Nilgiris, General protection.	Ulnad	1883 ..	839	839	..	839		
	Mukurty	1888 ..	1,324	1,324	..	1,324		
	Kururmund	1883 ..	1,552	1,552	..	1,552		
	Kundahs	1885 ..	42,505	42,505	..	42,505		
	Pichelbettu	..	1,668	1,668	..	1,668		
	Kadkupa	1886 ..	1,622	1,622	..	1,622		
	Nanjanad	1893 ..	914	914	..	914		
	Kollingiri	..	391	391	..	391		
	Karpakan	1886 ..	643	643	..	643		
	Pykara	1893 ..	844	844	..	844		
	Yemmakal	1886 ..	465	465	..	465		
	Hiriashigai	1887 ..	3,026	3,026	..	3,026		
	Thaishola	1895 ..	1,551	1,551	..	1,551		
	Muthanad	1883 ..	340	340	..	340		
	Bikkapathi	1894 ..	1,945	1,945	..	1,945		
	Naduvattam	1885 ..	3,411	3,411	..	3,411		
	Ouchterlony	1886 ..	973	973	..	973		
	Nilgiri peak	..	5,962	5,962	..	5,962	168	
	Chinna Coonoor	1894 ..	14	14	..	14		
	Kengal	..	14	14	..	14		
	Kodanad	1895 ..	40	40	..	40		
	Huppatti	..	491	491	..	491		
	Kajuchi	..	475	475	..	475		
	Iduhatti	..	15	15	..	15		
	Bathrishola	1884 ..	34	34	..	34		
	Dodabetta	..	758	758	..	758		
	Jakuntha	..	373	373	..	373		
	Honnathalai	..	320	320	..	320		
	Keriyada	..	276	276	..	276		
	Kengodu	..	451	451	..	451		
	Brooklands	..	177	177	..	177		
	Jackal plantation	1902 ..	5	5	..	5		
	Lovedale (East)	..	127	127	..	127		
	Benhope reserve	1885 ..	75	75	..	75		
	Blackbridge	1883 ..	350	350	..	350		
	Devashola, north and south.	1883 ..	211	211	..	211		
	Jakanare	..	..	324	..	324	69	
	Total, The Nilgiris, General.	..	74,181	74,505	..	74,505	237	
	Total, the Nilgiris (Special and General).	..	97,025	98,029	110	97,919	2,380+1*	

* Added as per Accountant-General's audited figure.

Area of Forest Tracts protected from Fire during 1904-1905—*cont.*

District.	Forest tracts.	Year in which protection commenced.	Area protected during the previous year.	During dry season of 1904-1905.			Cost during the season.	Remarks.
				Area attempted to be protected.	Fires.	Actually protected.		
1	2	3	4	5	6	7	8	9
	Southern Circle—cont.		ACS.	ACS.	ACS.	ACS.	RS.	
Coimbatore district, North. (*a*)	Hassanur sandalwood compartment—Satyamangalam range.	1895-96 ..	2,134	2,140	23	2,117	107	
	Minchiguli Working Circle—Satyamangalam range.	1902-1903.	3,076	4,704	50	4,654	59	
	Talamalai sandalwood compartment — Talamalai range.	1897-98 ..	589	589	18	571	46	
	Badagalli sandalwood compartment — Talamalai range.	1896-97 ..	637	685	..	685	20	
	Hugathur bettu block ..	1903-1904.	2,107	3,067	..	3,067	72	
	Bailur sandalwood compartment — Kollegal range.	1895-96 ..	3,034	3,034	..	3,034	173	
	Udaiyárpálaiyam, Kollegal range.	1895-96 ..	1,321	1,322	14	1,308	90	
	Jadathadi, Kollegal range.	1895-96 ..	234	235	2	233	28	
	Alluvarai block	1895-96 ..	4,313	4,313	..	4,313	114	
	Arepalayam Working Circle.	1895-96 ..	3,091	3,144	769	2,375	108	
	Gundal Working Circle.	1895-96 ..	1,846	1,846	..	1,846	192	
	Total, Coimbatore North (Special).	..	22,382	25,079	876	24,203	1,009	
Coimbatore, South—Special protection—								
Tunacadavu and Pollachi.	Tekadi leased forests and portion of Tunacadavu reserve No. I.	1882-83 ..	26,374	26,374	1,643	24,731	650	
Pollachi ..	Punachi reserve No. II ..	1888-89 ..	2,835	2,880	..	2,880	426	
Udamalpet ..	Dhali block ..	1883-84 ..	485	485	..	485	57	
Méttupálaiyam.	Singaratope Working Circle of Odanthorai block.	1891-92 ..	777	777	..	777	133	
Bolampatti.	Sholakarai.	1883-84 ..	1,157	1,157	..	1,157	1,388	
	Thenkaradu. In Bolampatti block I.		343	393	30	363		
	Keerapatti. In Bolampatti block I.		2,260	2,260	100	2,160		
	Oratti .. In Bolampatti block I.		816	1,136	4	1,132		
	Kuchimalai. In Bolampatti block I.		1,545	1,545	..	1,545		
	Noyel .. In Bolampatti block II.		10,826	10,920	145	10,775		
	Velliyangiri. In Bolampatti block II.		5,026	5,240	35	5,205		
	Varadimudi. In Bolampatti block II.		7,960	7,960	..	7,960		
	anavarai .. In Bolampatti block III and portions of blocks II and IV.		13,764	13,880	..	13,880		
	Walayar reserve	1873-74 ..	3,017	3,017	..	3,017		
	Total, Coimbatore South, (Special protection).	..	77,185	78,024	1,957	76,067	2,654	
Coimbatore, South—General protection—								
Tunacadavu and Pollachi.	Tunacadavu reserve No. I.	..	250,637	256,847	.. 929	255,918	..	
Pollachi ..	Punachi reserve No. II.	..						
Udamalpet ..	Amravati ,, ,, III.	..						
Tunacadavu, Pollachi and Udamalpet.	Anamalai ,, ,, IV.	..						

(*a*) It is reported that Talamalai reserve which was under fire—protection during the previous year was not protected during the year under report.

Area of Forest Tracts protected from Fire during 1904–1905—*cont.*

Districts.	Forest tracts.	Year in which protection commenced.	Area protected during the previous year.	During dry season of 1904–1905.			Cost during the season.	Remarks.
				Area attempted to be protected.	Fires.	Actually protected.		
1	2	3	4	5	6	7	8	9
Coimbatore South—General protection—*cont.*	*Southern Circle*—cont.		ACS.	ACS.	ACS.	ACS.	RS.	
Bolampatti.	Bolampatti reserve No. I.	..			40			
	,, ,, ,, II	..						
	,, ,, ,, III.	..						
Bolampatti and Méttupálaiyam.	Tadagam ,, ,, IV.	..						
Méttupálaiyam.	Gopanari ,, ,, V.	..	74,661	74,791	8	74,743	..	
	Kempampalayam reserve No. VI.	..						
	Nellithorai reserve No. VII.	..						
Bolampatti..	Small Sholakarai reserve No. X.	..						
	Sankararayapuram reserve	..						
Méttupálaiyam.	Odanthorai reserve No. VIII.	..	5,335	5,335	..	5,335	..	
	Modur reserve No. IX ..	..	5,805	5,805	..	5,805	..	
	Nellimalai reserve ..	..	1,882	1,882	..	1,882	..	
Udamalpet..	Elayamuthur reserve ..	..	762	762	..	762	..	
	Dhali reserve	..	145	145	..	145	..	
Méttupálaiyam.	Avanashi palmyra tope ..	..	67	67	..	67	..	
	Total, South Coimbatore, General.	..	339,294	345,634	977	344,657	..	
	Total, South Coimbatore, Special and General.	..	416,479	423,658	2,934	420,724	2,654	
Madura—Special protection.	Amburavi	1886–87 ..	10,771	10,771	..	10,771	139	
	Shengalvaraiyar	1885–86 ..	4,608	4,608	..	4,608	39	
	Pambar	1883–84 ..	3,693	4,243	200	4,043	483	
	Adukkam	1885–86 ..	3,200	3,200	35	3,165	12	
	Poombarai Vilpatti valley.	1884–85 ..	17,594	17,594	..	17,594	35	
	Karungal Dhoni medu ..	1885–86 ..	1,964	1,964	300	1,664	5	
	Kookal	1886–87 ..	11,725	11,725	..	11,725	..	
	Kudraiyar	1886–87 ..	13,235	13,235	..	13,235	49	
	Perumalmalai							
	Thogavarai shola	1886–87..	7,386	7,386	..	7,386	96	
	Thalaiyar kadu							
	Kadamaravu							
	Oliyanuthu odai	1888–89 ..	3,802	3,802	..	3,802	..	
	Kundu kadu	1902–1903.	332					
	Pannitulam	..	16					
	Gundar	..	438					
	Manavartan kanal ..	..	56	* ..	..	..	..	* Included in the newly constituted Gundar valley extension reserve.
	Kalarankavai kanal ..	..	52					
	Parappar	..	55					
	Gundan shola	..	257					
	Nettle shola	..	16					
	Upper Palni Sholas—Gundar valley extension.	1904–1905.	..	5,860	120	5,740	338	
	Perumalmalai shola ..	1902–1903.	347	347	..	347	12	
	Anagiri	1902–1903.	73	73	..	73	9	
	Tiger shola	1902–1903.	1,866	1,866	..	1,866	50	
	Glenfalls	1902–1903.	36	36	..	36		
	Gundar valley	1902–1903.	3,988	3,988	..	3,988		
	Talkadu kanal	1902–1903.	268	268	..	268		
	Kuttukal kadu	1902–1903.	36	36	..	36		
	Kilavarai	1902–1903.	36	36	..	36	732	
	Chandanur	1902–1903.	440	440	..	440		
	Pook kadu	1902–1903.	242	242	..	242		
	Swamikanal	1902–1903.	1,548	1,548	..	1,548		
	Kilavayal	1902–1903.	568	568	..	568		
	Alagar Hill	1882–1883.	16,618	16,838	..	16,838	699	
	Total, Madura—(Special).	..	105,266	110,674	655	110,019	2,698 (a) 22 = 2,720	(a) Cost of putting out fires in Sirumalai reserve forest, Kananvaipatti range.

Area of Forest Tracts protected from Fire during 1904–1905—*cont.*

Taluk.	Forest tracts.	Year in which protection commenced.	Area protected during the previous year.	During dry season of 1904–1905.			Cost during the season.	Remarks.
				Area attempted to be protected.	Fires.	Actually protected.		
1	2	3	4	5	6	7	8	9
Tinnevelly—Special protection—	*Southern Circle*—cont.		ACS.	ACS.	ACS.	ACS.	RS.	
Srivilliputtúr.	Aiyanarkovil Working Circle.	1902 ..	4,182	4,722	691	4,031	181	
Sankaranayinar kóyil.	Karupasamikoyil Working Circle.	1902 ..	6,155	6,155	671	5,484	210	
Tenkási ..	Kadayanallur Working Circle.	1902 ..	2,288	2,288	91	2,197	173	
	Kuttalam Working Circle.	1902 ..	2,539	2,644	60	2,584	30	
Ambásamudram.	Koilteri ,,	1902 ..	1,753	2,013	..	2,013	178	
	Padirmalai ,,	1902 ..	2,695	3,045	..	3,045	116	
Nángunéri ..	Kalakad ,,	1902 ..	2,918	2,918	..	2,918	188	
	Tirukanungudi ,,	1902 ..	2,538	2,538	..	2,538	47	
	Total, Tinnevelly, Special.	..	25,068	26,323	1,513	24,810	1,123	
General protection—								
Srivilliputtúr.	Ghaut forests, V and V (*a*).	1902 ..	38,663	38,783	1,547	37,236	150	
Sankaranayinárkóyil.	,, IV and IV(*a*).	1902 ..	17,822	20,379	4,422	15,957	118	
Tenkási ..	Ghaut forests, III, III (a_1) (b_1), (c_1) (c_2), (d_1), and extension Nos. 1 to 3 of Kuttalam reserve.	1902 ..	19,209	21,502	1,090	20,412	139	
Ambásamudram.	Ghaut forests II, II (*a*) and II (*b*).	1902 ..	102,880	104,740	2,664	102,076	200	
Nángunéri ..	Ghaut forests, I (*a*) teak tract, Mahendragiri and Vannamutty.	1902 ..	42,231	45,981	774	45,207	301	
	Total, Tinnevelly, General.	..	220,805	231,385	10,497	220,888	908	
	Total, Tinnevelly, Special and General.	..	245,873	257,708	12,010	245,698	2,031+499 *	
	Total, Southern Circle—(Special)		548,997	557,097	22,489	534,608	18,205	
	Total, Southern Circle, General.		653,127	670,365	11,917	658,448	1,299	
	Grand Total, Southern Circle.		12,02,124	12,27,462	34,406	11,93,056	19,504	
	Total Presidency—(Special)	..	17,74,083	22,04,154	77,616	21,26,538	43,866	
	(General)	..	16,63,175	19,61,676	24,006	19,37,670	11,281	
	Grand Total, Presidency.	..	34,37,258	41,65,830	101,622	40,64,208	55,147	

* Added as per Accountant-General's audited figures.

Annual Form No. 52.

Forest Department, Madras Presidency.

Area closed and open to grazing during 1904–1905.

District.	Area in square miles.						
	Closed to all animals.		Closed to both goats and sheep.		Area closed to goats only.	Open to all animals.	Total forest area as per Form No. 44.
	Whole year.	Part of year.	Whole year.	Part of year.		Whole year.	
1	2	3	4	5	6	7	8
Northern Circle.	SQ. MLS.	SQ. MLS.	SQ. MLS.		SQ. MLS.	SQ. MLS.	SQ. MLS.
Ganjám	9	..	..	..	598	..	538 60
Vizagapatam	6	..	..	..	298 47	..	298 47
Gódávari	12	..	261	..	606 76	..	867 76
Kistna	43	13	..	..	142	125	280
Guntúr	166	..	..	..	655	159	814
Kurnool, East	23	..	..	..	1,156	..	1,155 1
,, West	117	..	..	..	1,380 101	11	1,380 112
Bellary	55	..	..	..	592	95	601 86
Anantapur	49	..	..	..	510 11	..	510 11
Total, Northern Circle	480	13	261	..	6,172	390	6,443 393
Central Circle.							
Cuddapah	10	..	..	..	2,199	159	2,241 117
Nellore	38	..	75	..	583 4	76	734 4
Chingleput	50	..	..	..	213	* 1	214
North Arcot	105	..	..	..	1,255	35	1,290
South ,,	14	..	..	..	663	..	663
North Salem	47	† 29	..	..	836	58	832 91
South ,,	56	8	..	..	718	7	728 5
Trichinopoly	23	..	..	..	301 14	..	310 5
Tanjore	3	..	..	..	20	..	20
Total, Central Circle	346	37	75	..	6,806	336	7,032 222
Southern Circle.							
South Canara	18	..	..	..	674 393	..	674 393
North Malabar	29	..	..	..	235 23	..	235 23
South ,,	259	..	..	..	259	25	218 66
The Nilgiris	6 10	..	..	..	412 87	..	412 87
North Coimbatore	89	..	15	..	1,633 12	..	1,378 282
South ,,	80	..	..	..	662	..	662
Madura	109	1	..	..	560	55 52	616 52
Tinnevelly	245	38	..	..	400	..	437 1
Total, Southern Circle	795	39	15	..	5,350	132	4,632 904
Grand Total, Presidency	1,621	89	351	..	18,328	858	18,107 1,519
Do. 1903–1904	1,696	191	473	16	18,171	708	19,559

* Half a square mile, but entered as 1 to round off fraction.

† Entered in the District Return as 8½ square miles. This is presumably a clerical error for 28½ square miles. Entered as 29 to round off fraction.

N.B.—The totals of columns 3, 4, 5, 6 and 7 equal column 8. The figure in column 6 includes the figures in column 2. Of the figures in brackets the upper one denotes the area of Reserved forests and the lower one the area of reserved lands.

FORM

RETURN of Grazing in the State Forests of the

Districts.	Grazing on payment. At enhanced or special rates. Buffaloes.	Cows and bullocks.	Goats and sheep.	Other animals.	Fees received.	At full rates. Buffaloes.	Cows and bullocks.	Goats and sheep.	Other animals.	Fees received.
1	2	3	4	5	6	7	8	9	10	11
Northern Circle.					Rs.					Rs.
Ganjám	..	..	..	..	..	10,367	39,604	426	..	*11,356
Vizagapatam	(a) 58	(a) 2,889	(a) 1,968	..	997	1,182	14,338	1,246	..	3,249
Gódávari	(a) 5,762 (g) 757	(a) 9,808 (g) 265	..	..	6,000	..	..	..	..	..
Kistna	(a) 2,785 (g) 3 (h) 223	(a) 8,856 (g) 4,037 (i) 1,281 (j) 201	(a) 513 (e) 1,543 (k) 302 (l) (e) 174 (m) (e) 1,046	..	7,300	5,352	14,314	16,534 (e) 6,603	..	6,859
Guntúr	(a) 601 (h) 8 (p) 635 (r) 1,208	(a) 2,939 (j) 2 (p)30,413 (j) 15,491 (q) 21 (y) 498 (i) 954	(a) 7,046 (a) (e) 2,391 (p) (e) 484 (p) 16,024 (s) 10,170 (t) (e) 880 (u) 26 (v) (e) 1,218 (x) 20	..	30,572	13,489	36,643	96,397 (e) 55,004	..	26,122
Kurnool, East	(a) 3,728	(a)72,474	(a) 29,098	..	23,619	1,026	13,898	24,308	..	(z) 5,958
Kurnool, West	(a) 3,164	(a)29,958	(a) 17,612	..	(aa)11,535	2,003	32,678	43,804	..	(aa) 11,514
Bellary	(bb) 345	(bb) 2,417	(bb) 8,194	4	2,244	15,509	56,558	189,571 (e) 29,789	..	37,084
Anantapur	..	..	..	..	..	3,070	52,190	70,867	..	17,581
Total, Northern Circle ..	19,277	182,502	90,973 (e) 8,336	4	82,267	52,998	260,223	443,153 (e) 91,396	..	1,19,723
Central Circle.										
Cuddapah	..	..	(cc) (e) 12,038	..	6,019	7,035	145,825	188,112	..	47,616
Nellore	..	68,092	(pp) 111,516 (ee) (e)19,232	..	35,770	11,374	46	..	..	4,274
Chingleput	..	..	..	..	..	1,519	23,123	22,397	..	7,005
North Arcot	..	..	..	..	..	5,075	125,229 (gg) 120	71,751	..	32,121
South Arcot	..	(hh)22,167	(ii) 172	..	5,564	4,868	107,843	100,542	..	31,472
North Salem	(kk) 1,776	(kk) 90,805	(kk) 13,444 (kk) (e) 2,852	..	26,698	487	40,845	4,682	..	8,280 (ll) 498
South Salem	(mm) 9	(mm) 5,316	(mm) (e) 1,133 (mm) 11	..	1,901	1,760	118,960 (nn) 6	28,869	..	25,672 (ll) 14
Trichinopoly	..	827	..	..	(oo) 1,342	753	27,959	124,643	..	17,210
Tanjore	..	..	..	..	..	346	2,016	2,679	..	759 (ll) 8
Total, Central Circle ..	1,785	187,207	125,143 (e) 35,255	..	77,292	33,217	591,972	543,675	..	1,74,929
Southern Circle.										
South Canara	75	477	..	..	235	3,449	21,284	..	..	5,284
North Malabar	..	..	..	..	..	3,924	8,064	..	..	2,985 (qq) 104
South Malabar	..	..	..	..	..	4	44	21	..	12 (qq) 35
The Nilgiris (rr)	..	..	..	..	..	12,358	21,546	1,040	53	9,160
North Coimbatore	(a) 7,712	(a)171,700	(a) 29,190	..	50,677	156	3,645	..	..	742
South Coimbatore	..	(ss) 321	..	..	120	1,058	44,856	9,975	1	9,748
Madura	(tt) 485	58,065	9,975 (e) 58,872	327	29,190	..	..	..	..	..
Tinnevelly	..	..	..	..	..	1,238	19,437	25,611	..	6,510 (ll) 70
Total, Southern Circle ..	8,272	230,563	39,165 (e) 58,872	327	80,222	22,187	118,876	36,647	54	34,650
Grand Total, Reserved Forests, Presidency.	29,334	600,272	255,281 (e) 102,463	331	2,39,781	108,402	971,071	1,023,475 (e) 91,396	54	3,29,302

* Includes excess fees, viz., Rs. 2-10-0 collected for 21 buffaloes.

Note.—Full rates mean As. 6 per buffalo, As. 3 per cow or bullock and As. 1-6 per sheep or goat.

(a) As. 8 per buffalo, As. 4 per cow and As. 2 per sheep or goat.
(b) Anna 1 per buffalo, and Anna 1 per cow or bull.
(c) Goats.
(d) As. 2 per buffalo, Anna 1 per cow or bull and Pies 6 per sheep or goat.
(e) As. 4 per buffalo, As. 2 per cow or bull and As. 1-6 per sheep or goat.
(f) As. 12 per buffalo and As. 6 per cow.
(g) As. 8 per cow.
(h) Re. 1 per buffalo.
(i) Re. 1 per cow.
(j) As. 4 per sheep.
(k) As. 4 per goat.
(l) Calves at Pies 6.
(m) As. 3 per goat.
(n) Includes fees realized by sale of fodder grass in the Coringa Reserve.
(o) As. 12 per buffalo, As. 6 per cow or bullock and As. 3 per sheep or goat.
(p) Calves at As. 4.
(q) As. 3 per head.
(r) As. 12 per head.
(s) Kids at As. 6 per head.
(t) Goats at As. 12 per head.
(u) Kids at As. 4 per head.
(v) Goats at As. 8 per head.
(x) Plough bullocks at Re. 1 per head.
(y) Includes seigniorage fees collected on 2,204 cart loads, and 9 head loads of grass removed from the forest reserves.

No. 53.

Madras Presidency during 1904–1905.

Number of animals.						Grazing free. Number of animals.										
At privileged rates.						By right under settlement.					During pleasure of Government or otherwise than under settlement.					
Buffaloes.	Cows and bullocks.	Goats and sheep.	Other animals.	Fees received. Actual.	Fees received. Value at full rates.	Buffaloes.	Cows and bullocks.	Goats and sheep.	Other animals.	Value of fees at full rates.	Buffaloes.	Cows and bullocks.	Goats and sheep.	Other animals.	Value of fees at full rates.	Total value of fees at full rates.	Grand total of value at full rates.
12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
				Rs.	Rs.					Rs.					Rs.	Rs.	Rs.
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	11,356
..	..	..	..	..	..	..	200	..	..	38	..	3,950	..	..	740	778	5,024
(*f*)1,892 (*d*)3,051 (*o*) 486	(*f*)10,044 (*d*)17,305 (*n*) 25 (*o*)13,548	(*f*) 125 (*d*) 6,722	..	(*o*) 4,390	10,346	..	..	..	..	..	29	1,387	..	..	271	271	16,617
(*f*) 2,058	(*f*) 8,938	..	..	1,632	2,448	..	..	..	..	..	..	..	..	..	..	..	16,607
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	56,694
..	..	..	..	..	..	..	994	2,202	..	393	..	..	..	..	..	393	29,970
..	..	..	..	..	..	..	1,491	3,303	..	589	..	..	..	..	..	589	23,638
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	39,328
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	17,581
7,487	49,860	6,847	..	6,022	12,794	..	2,685	5,505	..	1,020	29	5,337	..	..	1,011	2,031	2,16,815
..	(*dd*) 372	(*dd*) 395	..	46	107	..	1,900	..	..	356	..	..	..	..	..	356	54,098
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	40,044
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	(*ff*)5,534
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	7,005
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	32,121
..	..	..	..	..	..	..	..	..	..	..	(*jj*) 896	(*jj*)2778	(*jj*) 45	..	861	861	37,897
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	35,474
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	27,587
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	18,552
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	767
..	372	395	..	46	107	..	1,900	..	..	356	896	2,778	45	..	861	1,217	2,59,079
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	5,519
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	3,089
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	47
..	2,681	..	..	97	503	..	..	..	..	..	..	..	..	..	..	..	9,663
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	51,419
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	9,868
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	29,190
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	6,580
..	2,681	..	..	97	503	..	..	..	..	..	..	..	..	..	..	..	1,15,375
7,487	52,913	7,242	..	6,165	13,404	..	4,585	5,505	..	1,376	925	8,115	45	..	1,872	3,248	5,91,269

(*aa*) Includes fees realized for the removal of fodder grass.
(*bb*) 325 buffaloes at As. 10 per buffalo, 2,384 cows and bulls at As. 5 per head and 8,080 goats or sheep at As. 2-6 per sheep or goat in Hyrada and Sogi reserves; 20 buffaloes at As. 8 per head, 33 cows or bulls at As. 4 per head and 114 sheep or goats at As. 2 and other animals at As. 5 for grazing in Jagikalgutta reserve.
(*cc*) As. 8 per head. (*dd*) 313 cows and bullocks at As. 1-6 per head, and 59 at 1 anna each; 45 sheep at 9 pies each and 350 at 6 pies each.
(*ee*) Goats at As. 4 per head. (*ff*) Includes kancha rent, value of grass chits, etc. (*gg*) 120 calves at As. 1-6 each.
(*hh*) 20,623 cows at As. 4 per head (enhanced rate), 1,543 cows at As. 4 per head (penal rate), 1 cow at As. 6 (*ii*) As. 2 per sheep on account of fire.
(*jj*) Cattle of Malayalis allowed free in the Tenmalais, Tiruvannamalai range. (*kk*) As. 8 per buffalo, As. 4 per cow, As. 2 per sheep, As. 8per goat.
(*ll*) Includes fees realized by pen licenses. (*mm*) As. 8 per buffalo; As. 4 per cow, As. 2 per sheep, As. 8 per goat. (*nn*) Calves at As. 1-6 per head.
(*oo*) Fees realized by leasing certain plantations in the Udaiyárpálaiyam range for grazing of 827 bulls and cows. (*pp*) As. 2 per sheep.
(*qq*) Fees realized by lease of pasture lands. (*rr*) The privileged rates are daily rates of As. 3 per 100 per diem for cattle of Mysore Nomadic tribes; Re. 1 for foreign buffaloes, and As. 8 for foreign cows; As. 4 for foreign sheep. (*ss*) As. 6 per cow.
(*tt*) As. 8 per buffalo; As. 4 per cow, bull, horse or ass; As. 2 per sheep and As. 4 per goat.

Return of Grazing in the State forests of the

(b) *Reserved lands notified under*

Districts.	Grazing on payment. Number of animals.									
	At enhanced or special rates.					At full rates.				
	Buffaloes.	Cows and bullocks.	Goats and sheep.	Other animals.	Fees received.	Buffaloes.	Cows and bullocks.	Goats and sheep.	Other animals.	Fees received.
1	2	3	4	5	6	7	8	9	10	11
										Reserved and
Northern Circle.					Rs.					Rs.
Un-reserved lands—										
Gódávari	(*a*)4,089 (*g*) 55	(*a*) 8,740 (*g*) 157	..	..	4,330	..	..	..	..	..
Reserved lands—										
Bellary	..	..	..	..	..	372	2,499	93	..	617
Total, Northern Circle ..	4,144	8,897	..	..	4,330	372	2,499	93	..	617
Southern Circle.										
Reserved lands—										
South Canara	..	..	..	..	..	641	4,335	..	..	1,053
The Nilgiris	..	78	..	..	39	..	..	..	..	..
North Coimbatore	(*f*) 379	(*f*)10,449	(*f*) 24	..	2,805	..	..	..	..	..
Total, Southern Circle ..	379	10,527	24	..	2,844	641	4,335	..	..	1,053
Northern Circle.										
Reserved forests	19,277	182,502	90,973 (*c*) 8,336	4	82,267	52,998	260,223	443,153 (*c*) 91,396	..	1,19,723
Reserved lands	..	..	..	..	..	372	2,499	93	..	617
Unreserved lands	4,144	8,897	..	..	4,330	..	..	..	..	..
Total, Northern Circle ..	23,421	191,399	90,973 (*c*) 8,336	4	86,597	53,370	262,722	443,246 (*c*) 91,396	..	1,20,340
Central Circle.										
Reserved forests	1,785	187,207	125,143 (*c*)35,255	..	77,292	33,217	591,972	543,675	..	1,74,929
Southern Circle.										
Reserved forests	8,272	230,563	39,165 (*c*) 58,872	327	80,222	22,187	118,876	36,647	54	34,650
Reserved lands	379	10,527	24	..	2,844	641	4,335	..	..	1,053
Total, Southern Circle ..	8,651	241,090	39,189 (*c*) 58,872	327	83,066	22,828	123,211	36,647	54	35,703
Grand Total, Presidency ..	33,857	619,696	255,305 (*c*)102,463	331	2,46,955	109,415	977,905	1,023,568 (*c*) 91,396	54	3,30,972

(*a*) As. 8 per buffalo, As. 4 per bullock or cow, As. 1-6 per sheep. (*b*) Sale of pasture lands in the Delta and Rajamundry ranges.
(*c*) Goats. (*d*) As. 4 per buffalo, As. 2 per bull or cow, As. 1-6 per sheep or goat.
(*e*) Toda cattle allowed free grazing on Toda putta lands.
(*f*) As. 8 per buffalo, As. 4 per bull or cow, As. 2 per sheep or goat. (*g*) As. 12 per buffalo, As. 6 per bull or cow.

Note.—In several districts the Collectors have not reported the figures separately for each class of forests and in these cases the total number of animals is shown under Reserved Forests.

Madras Presidency during 1904-1905—*cont.*

section 4 of the Forest Act and unreserved lands, etc.

Grazing free. Number of animals.																	Grand total of value at full rates.
At privileged rates.						By right under settlement.					During pleasure of Government or otherwise than under settlement.						
Buffaloes.	Cows and bullocks.	Goats and sheep.	Other animals.	Fees received. Actual.	Fees received. Value at full rates.	Buffaloes.	Cows and bullocks.	Goats and sheep.	Other animals.	Value of fees at full rates.	Buffaloes.	Cows and bullocks.	Goats and sheep.	Other animals.	Value of fees at full rates.	Total value of fees at full rates.	
12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
Unreserved Lands.																	
				Rs.	Rs.					Rs.					Rs.	Rs.	Rs.
(*d*) 8	(*d*)286	(*d*) (*c*) 2,178 1,475	..	380	399	..	..	..	..	..	..	..	..	..	..	..	4,729 +(*b*) 804
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	617
8	286	(*c*) 2,178 1,475	..	380	399	..	..	..	..	..	..	..	..	..	..	..	6,150
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1,053
..	..	..	..	..	..	(*e*) 2,251	..	..	..	844	..	..	..	..	..	..	883
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	844	2,805
..	..	..	..	..	..	2,251	..	..	..	844	..	..	..	..	..	844	4,741
7,487	49,860	6,847	..	6,022	12,794	..	2,685	5,505	..	1,020	29	5,337	..	..	1,011	2,031	2,16,815
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	617
8	286	(*d*) (*c*) 2,178 1,475	..	380	399	..	..	..	..	..	..	..	..	..	..	..	4,729 +(*b*) 804
7,495	50,146	8,322 (*c*) 2,178	..	6,402	13,193	..	2,685	5,505	..	1,020	29	5,337	..	..	1,011	2,031	2,22,965
..	372	395	..	46	107	..	1,900	..	..	356	896	2,778	45	..	861	1,217	2,59,079
..	2,681	..	..	97	503	..	..	..	..	..	..	..	..	..	..	..	1,15,375
..	..	..	..	..	..	2,251	..	..	..	844	..	..	..	..	..	844	4,741
..	2,681	..	..	97	503	2,251	..	..	..	844	..	..	..	..	..	844	1,20,116
7,495	53,199	8,717 (*c*) 2,178	..	6,545	13,803	2,251	4,585	5,505	..	2,220	925	8,115	45	..	1,872	4,092	6,02,160

ABSTRACT of animals licensed to graze on payment.

—	Buffaloes.	Cows and bullocks.	Sheep.	Goats.	Other animals.
Northern Circle	84,286	504,267	542,541	101,910	4
Central Circle	35,002	779,551	669,213	35,255	..
Southern Circle	31,479	366,982	75,836	58,872	381
Total ..	150,767	1,650,800	1,287,590	196,037	385

ANNUAL FORM No. 54.

Forest Department, Madras Presidency.

AREA of Plantations, Cultural Operations and Topes, 1904–1905.

	District.	Number of plantations and topes.	Area in acres. On 1st July 1904.	Added during the year.	Excluded during the year.	Area on 30th June 1905.	Receipts. Of the year.	Charges Of the year.
	1	2	3	4	5	6	7	8
			A. Regular Plantations.					
Northern Circle.	Ganjám	1	348	..	..	348	Rs. 2,023	Rs. 307 (a) 51
	Gódávari	3	530	85	..	615	4,742	4,756 * + 84
	Kistna	9	905	148	46	1,007	6,669	2,976
	Guntúr	12	1,652	90	15	1,727	273	1,176 * — 83
	Total, Northern Circle ..	25	3,435	323	61	3,697	13,707	9,767
Central Circle.	Cuddapah	8	2,100	..	..	2,100	350	480 * + 481
	Nellore	9	(b) 6,564	..	1,657	4,907	36,800	9,680
	Chingleput	..	222	..	..	222	876	355 * + 249
	North Arcot	7	1,175	..	..	1,175	7,354	1,022
	South do.	11	5,171	..	..	5,171	8,000	1,821 * + 95
	South Salem	2	6	..	..	6	11	278
	Tanjore	4	539	..	..	539	3,671	2,415
	Total, Central Circle ..	41	15,777	..	1,657	14,120	57,062	16,876
Southern Circle.	South Canara	2	122	..	..	122	957	170 * + 3
	North Malabar	..	512	188	..	700	..	2,649
	South do.	25	5,278	102	..	5,380	33,414	7,026
	The Nilgiris	22	1,645	..	..	1,645	12,665	14,844 * — 14,844
	South Coimbatore	8	30	..	..	30	..	..
	Madura	5	275	..	..	275	..	..
	Total, Southern Circle ..	62	7,862	290	..	8,152	47,036	9,848
	Grand Total, Regular Plantations, Presidency.	128	27,074	613	1,718	25,969	1,17,805	36,491
			B. Cultural Operations.					
Northern Circle.	Ganjám	..	168	..	..	168	149	169
	Gódávari	..	384	..	..	384	650	546
	Kistna	..	35	2	..	37	150	404
	Guntúr	..	1	..	..	1	..	30
	Kurnool East	..	..	..	..	..	..	(c) 14
	,, West	..	..	..	..	..	..	(c) 152
	Bellary	..	153	..	..	153	..	605 * — 3
	Anantapur	..	..	..	..	..	..	(d) 115 (e) 134
	Total, Northern Circle ..	..	741	2	..	743	949	2,166
Central Circle.	Cuddapah	..	597	..	..	597	16	202
	Nellore	..	1,441	359	446	1,354	..	..
	Chingleput	..	73	183	..	256	..	14
	North Arcot	..	585	366	..	951	..	105
	Tanjore	..	1,161	..	..	1,161	1,621	2
	Trichinopoly	..	MLS. 91 32	..	..	MLS. 91 32	..	129
	Total, Central Circle ..	..	3,889 MLS. 91	908	446	4,351 MLS. 91	1,637	452

* Added or deducted as per Accountant-General's audited figures.

(a) Pay of gardener employed in Mohaghara reserve and amount spent on miscellaneous items.
(b) Revised figures reported by Collector.
(c) Charges incurred in purchasing baskets for planting Mahagony seeds.
(d) Amount spent in collecting seeds.
(e) Establishment charges.

Area of Plantations, Cultural Operations and Topes, 1904–1905—*cont.*

District.	Number of plantations and topes.	Area in acres.				Receipts.	Charges.
		On 1st July 1904.	Added during the year.	Excluded during the year.	Area on 30th June 1905	Of the year.	
1	2	3	4	5	6	7	8
		B. Cultural Operations.—cont.					
						RS.	RS.
Southern Circle. — South Malabar	..	(a) 34	27	..	61	..	1,351
The Nilgiris	..	488	..	..	488	..	1,490
South Coimbatore	..	50	..	..	50	..	89
							* + 233
Madura	..	..	70	..	70	..	170
							* + 14
Tinnevelly	..	5,608	..	..	5,608	6	1,080
Total, Southern Circle	..	6,180	97	..	6,277	6	4,427
Grand Total, Cultural Operations, Presidency.		10,810 MLS. 91	1,007	446	11,371 MLS. 91	2,592	7,045
		C. Topes.					
Northern Circle. — Ganjám	7	101	..	..	101	23	..
Vizagapatam	2	78	..	..	78	305	146
Kistna	6	31	..	..	31	10	60
Guntúr	(a) 9	105	6	..	111	111	..
Kurnool East	4	39	..	..	39	..	..
,, West	23	160	..	..	160	..	..
Bellary	30	212	..	..	212	..	72
Anantapur	905	2,885	..	..	2,885	..	..
Total, Northern Circle	986	3,611	6	..	3,617	449	278
Central Circle. — Cuddapah (b)	..	..	..	..	..	..	..
Nellore	22	7,117	..	..	7,117	..	* + 2,024
North Arcot	50	(a) 1,454	..	..	1,454	798	217
South do.	(a) 59	(a) 425	..	..	425	22	7
North Salem	65	918	..	21	897	779	52
							* + 127
South do.	60	672	55	5	722	813	460
Trichinopoly	19	595	..	..	595	1,684	* + 1,137
Total, Central Circle	275	11,181	55	26	11,210	4,096	4,024
Southern Circle. — North Malabar	..	56	..	..	56	..	107
							* + 855
South do.	1	20	2	..	22	..	..
North Coimbatore	3	209	..	..	209	..	* + 101
Tinnevelly	8	44	..	..	44	..	..
Total, Southern Circle	12	329	2	..	331	..	1,063
Grand Total, Topes, Presidency	1,273	15,121	63	26	15,158	4,545	5,365
Northern Circle, Regular Plantations, Cultural operations and Topes	1,011	7,787	331	61	8,057	15,105	12,211
Central Circle, Regular Plantations, Cultural operations and Topes.	316	30,847 MLS. 91	963	2,129	29,681 MLS. 91	62,795	21,352
Southern Circle, Regular Plantations, Cultural operations and Topes	74	14,371	389	..	14,760	47,042	15,338
Grand Total, Presidency	1,401	53,005 MLS. 91	1,683	2,190	52,498 MLS. 91	1,24,942	48,901

* Added or deducted as per Accountant-General's audited figures.

(a) Revised figures reported by Collector. (b) Transferred to reserved forests; hence not shown.

FORM.

Forest Department

OUTTURN (in cubic feet solid) of Timber and Fuel and of Bamboos

District.	Timber.					Fuel.	
	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Government.	Purchasers.
1	2	3	4	5	6	7	8
NORTHERN CIRCLE.	C. FT.	C. FT.	C. FT.		C. FT.	C FT.	C. FT.
Ganjám.							
Reserved forests—							
Sál	1,000	101,006	..	..	102,006	..	..
Miscellaneous	10,671	100,763	560	..	111,994	..	..
Total ..	11,671	201,769	560	..	214,000	66,525	542,538
Reserved lands—							
Sal	177	..	..	..	177	..	..
Miscellaneous	..	46	..	..	46	..	..
Total ..	177	46	..	..	223	..	..
Unreserved lands—							
Miscellaneous	3,550	245,505	1,740	..	250,795	..	47,324
Total Ganjám ..	15,398	447,320	2,300	..	465,018	66,525	589,862
Vizagapatam.							
Reserved forests—							
Miscellaneous	2,486	47,655	..	..	50,141	*273,724	147,802
Unreserved lands—							
Miscellaneous	..	30,890	..	..	30,890	..	25,550
Total Vizagapatam ..	2,486	78,545	..	..	81,031	273,724	173,352
Gódávari.							
Reserved forests—							
Teak	3,437	4,822	..	..	8,259	..	..
Maddi (*Terminalia tomentosa*)	511	86	..	..	597	..	..
Ironwood (*Xylia dolabriformis*)	261	..	..	..	261	..	..
Miscellaneous	..	71,626	..	..	71,626	..	..
Total ..	4,209	76,534	..	..	80,743	439,804	50,584
Unreserved lands—							
Teak	157	1,507	..	..	1,664	..	..
Maddi	52	18,945	81	..	19,078	..	..
Vengai or yegisi	36	4,890	..	..	4,926	..	..
Rosewood (*Dalbergia latifolia*)..	2	..	..	..	2	..	..
Ironwood (*Xylia dolabriformis*)	2	..	..	..	2	..	..
Miscellaneous	3,428	227,809	7,300	..	238,537	..	..
Total ..	3,677	253,151	7,381	..	264,209	50,311	258,486
Total Gódávari ..	7,886	329,685	7,381	..	344,952	490,115	309,070
Kistna.							
Reserved forests—							
Miscellaneous	2,231	28,957	215	..	31,403	69,378	507,986
						† 351	† 324
Unreserved lands—							
Miscellaneous	..	102,376	8,144	..	110,520	..	358,358
Total Kistna ..	2,231	131,333	8,359	..	141,923	69,729	866,668
Guntur.							
Reserved forest—							
Miscellaneous	2,616	2,231	750	..	5,597	142,985	119,117
Unreserved lands—							
Miscellaneous	679	47,031	4,374	..	52,084	85	53,140
Total Guntúr ..	3,295	49,262	5,124	..	57,681	143,070	172,257

* Excludes 9,640 kunchams and 979 lbs. of charcoal the equivalent

† Charcoal.

No. 55.

Madras Presidency.

(in number) during the year 1904–1905, and Agency of Exploitation.

			Total.	Bamboos.				
Free-grantees.	Right-holders.	Total.	Outturn.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.
9	10	11	12	13	14	15	16	17
		C. FT.	C. FT.	NO.	NO.	NO.		NO.
..	..	..	..	..	.	..	..	..
..	..	..	..	..	..	..	..	..
..	..	609,063	823,063	470,380	1,306,245	14,200	..	1,790,825
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	223	..	900	..	..	900
..	..	47,324	298,119	..	15,235	4,590	..	19,825
..	..	656,387	1,121,405	470,380	1,322,380	18,790	..	1,811,550
..	..	421,526	471,667	14,300	1,199,870	..		1,214,170
..	..	25,550	56,440	..	13,320	..	..	13,320
..	..	447,076	528,107	14,300	1,213,190	..	..	1,227,490
..	..	..	..	..	..	..	..	..
.	..	..	..	..	..	..	..	..
..	..	.	..	..	..	..	..	.
..	..	..	..	..	..	..	..	..
..	..	490,388	571,131	4,000	3,688,282	3,250	..	3,695,532
..	..	.	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	308,797	573,006	5,750	7,013,704	..	..	7,019,454
..	..	799,185	1,144,137	9,750	10,701,986	3,250	..	10,714,986
..	..	578,039	609,442	..	275,200	400	..	275,600
..	..	358,358	468,878	..	..	..	.	..
..	..	936,397	1,078,320	..	275,200	400	..	275,600
..	..	262,102	267,699	400	..	..	..	400
..	..	53,225	105,309	..	500	..	..	500
..	..	315,327	373,008	400	500	..	..	900

in cubic feet of which is reported by the Collector as not known.

Outturn (in cubic feet solid) of Timber and Fuel and of Bamboos

District.	Timber.						
	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Government.	Purchasers.
1	2	3	4	5	6	7	8
NORTHERN CIRCLE—*cont.*	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.
Kurnool, East.							
Reserved forests—							
Teak	1,994	..	..	..	1,994	..	..
Maddi (*Terminalia tomentosa*)	50	..	..	..	50	..	..
Vengai	2,188	..	..	..	2,188	..	..
Miscellaneous	760	69,141	520	524	70,945	..	..
Total ..	4,992	69,141	520	524	75,177	1,748,055	77,555
Unreserved lands—							
Miscellaneous	..	..	..	..	..	..	1,185
Total, Kurnool East ..	4,992	69,141	520	524	75,177	1,748,055	78,740
Kurnool, West.							
Reserved forests—							
Teak	187	..	..	..	187	..	..
Maddi (*Terminalia tomentosa*)	1,941	..	..	..	1,941	..	..
Vengai	9,239	..	..	..	9,239	..	..
Miscellaneous	4,470	180,560	6,270	787	192,087	..	..
Total ..	15,837	180,560	6,270	787	203,454	620,350	230,503
Reserved lands—							
Miscellaneous	..	5,095	..	..	5,095	17,680	23,498
Unreserved lands—							
Miscellaneous	..	1,402	..	..	1,402	19,482	57,200
Total, Kurnool West ..	15,837	187,057	6,270	787	209,951	657,512	311,201
Bellary.							
Reserved forests—							
Miscellaneous	..	9,912	1,689	..	11,601	3,500	38,675
Reserved lands including leased forests—							
Teak	1,471	..	..	..	* 1,471	..	..
Miscellaneous	7,957	..	..	..	7,957	..	..
Total ..	9,428	..	..	..	9,428	796,845	21,500
Unreserved lands—							
Miscellaneous	..	96,152	..	..	96,152	..	307,028
Total, Bellary ..	9,428	† 106,064	1,689	..	117,181	800,345	† 367,203
Anantapur.							
Reserved forests—							
Miscellaneous	560	14,095	80	..	14,735	26,316	38,412
Unreserved lands—							
Miscellaneous	..	18,418	..	..	18,418	162,928	79,468
Total, Anantapur ..	560	32,513	80	..	33,153	189,244	117,880
CENTRAL CIRCLE.							
Cuddapah.‡							
Reserved forests—							
Miscellaneous	76,011	127,449	10,968	..	214,428	264,198	283,356
Unreserved lands—							
Miscellaneous	..	25,741	..	..	25,741	..	194,012
Total, Cuddapah ..	76,011	153,190	10,968	..	240,169	264,198	477,368
Nellore.							
Reserved forests—							
Miscellaneous	2,535	10,404	955	..	13,894	652,674	464,562
Reserved lands	..	2,068	..	..	2,068	..	1,051
Unreserved lands	..	35,558	3,860	..	39,418	..	35,783
Total, Nellore ..	2,535	48,030	4,815	..	55,380	652,674	501,396

* One-sixth of a cubic foot of sandalwood was also collected but not shown being below 1 cubic foot.

† Includes confiscated produce.

‡ All the timber in the district have been shown as "miscellaneous" although large areas of red sanders were exploited by Government agency.

(in number) during the year 1904-1905, and Agency of Exploitation—*cont.*

Fuel.			Total.	Bamboos.				
Free-grantees.	Right-holders.	Total.	Outturn.	Government.	Purchasers.	Free-grantees.	Right-holders	Total.
9	10	11	12	13	14	15	16	17
	C. FT.	C. FT.	C. FT.	NO.	NO.	NO.	NO.	NO.
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	103,004	1,928,614	2,003,791	..	1,289,350	3,250	8,196	1,300,796
..	..	1,185	1,185	..	..	..	..	..
..	103,004	1,929,799	2,004,976	..	1,289,350	3,250	8,196	1,300,796
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	154,506	1,005,359	1,208,813	65,951	3,683,600	16,000	12,293	3,777,844
..	..	41,178	46,273	..	..	..	..	..
..	..	76,682	78,084	..	..	..	..	..
..	154,506	1,123,219	1,333,170	65,951	3,683,600	16,000	12,293	3,777,844
640	..	42,815	54,416	..	17,859	..	..	17,859
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	818,345	827,773	300	95,341	.	..	95,641
..	..	307,028	403,180	..	..	..	..	..
640	..	1,168,188	1,285,369	300	113,200	..	..	113,500
..	..	64,728	79,463	..	14,352	..	..	14,352
..	..	242,396	260,814	..	..	..	..	..
..	..	307,124	340,277	..	14,352	..	..	14,352
..	..	547,554	761,982	..	1,442,640	52,850	..	1,495,490
..	..	194,012	219,753	..	..	..	..	..
..	..	741,566	981,735	..	1,442,640	52,850	..	1,495,490
..	.	1,117,236	1,131,130	..	5,675	..	..	5,675
..	..	1,051	3,119	..	..	..	..	..
..	..	35,783	75,201	..	..	..	..	..
..	..	1,154,070	1,209,450	..	5,675	..	..	5,675

Outturn (in cubic feet solid) of Timber and Fuel and of Bamboos

District.	Timber.					Fuel.	
	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Government.	Purchasers.
1	2	3	4	5	6	7	8
CENTRAL CIRCLE—*cont.*	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.
Chingleput.							
Reserved forests—							
Miscellaneous	..	180	..	..	180	30,233	66,878
Unreserved lands—							
Miscellaneous	..	32,534	14,320	..	46,854	5,740	46,633
Total, Chingleput ..	..	32,714	14,320	..	47,034	35,973	113,511
North Arcot.							
Reserved forests—							
Sandalwood (*Santalum album*).	558	..	..	..	558	..	..
Red sanders (*Pterocarpus santalinus*)	738	..	..	..	738	..	..
Miscellaneous	2,276	1,374	1,500	..	5,150	..	..
Total ..	3,572	1,374	1,500	..	6,446	325,841	575,687
Unreserved lands—							
Miscellaneous	..	63,419	10,823	..	74,242	..	398,000
Total, North Arcot ..	3,572	64,793	12,323	..	80,688	325,841	973,687
South Arcot.							
Reserved forests—							
Sandalwood	5	..	..	..	5	..	..
Miscellaneous	495	6,773	..	..	7,268	..	..
Total ..	500	6,773	..	..	7,273	40,230	225,063
Unreserved lands—							
Miscellaneous	..	54,805	7,807	..	62,612	29	247,742
Total, South Arcot ..	500	61,578	7,807	..	69,885	40,259	472,805
North Salem.							
Reserved forests—							
Sandalwood	995	..	..	..	995	..	..
Teak	666	..	..	..	666	..	..
Miscellaneous	15,883	..	..	..	15,883	..	..
Total ..	17,544	..	..	..	17,544	17,910	..
Unreserved lands—							
Sandalwood	710	..	..	..	710	..	..
Miscellaneous	7,319	52,887	9	..	60,215	..	..
Total ..	8,029	52,887	9	..	60,925	33,660	372,589
Total, North Salem ..	25,573	52,887	9	..	78,469	51,570	372,589
South Salem.							
Reserved forest—							
Miscellaneous	2,974	..	..	..	2,974	466,639	10,831
Unreserved lands—							
Sandalwood	362	..	..	..	362	..	..
Miscellaneous	1,447	63,344	1,780	..	66,571	..	..
Total ..	1,809	63,344	1,780	..	66,933	7,376	234,510
Total, South Salem ..	4,783	63,344	1,780	..	69,907	474,015	245,341
Trichinopoly.							
Reserved forests—							
Miscellaneous	..	28,860	..	..	28,860	214,056	209,509
Unreserved lands—							
Miscellaneous	..	8,759	1,063	..	9,822	157,780	786,363
Total, Trichinopoly ..	..	37,619	1,063	..	38,682	371,836	995,872
Tanjore.							
Reserved forests—							
Miscellaneous	700	15,151	..	..	15,851	1,929	381,168
Unreserved lands—							
Miscellaneous	..	..	900	.	900	..	313,969
Total, Tanjore ..	700	15,151	900	..	16,751	1,929	695,137

(in number) during the year 1904–1905, and Agency of Exploitation—*cont.*

			Total.	Bamboos.				
Free-grantees.	Right-holders.	Total.	Outturn.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.
9	10	11	12	13	14	15	16	17
C. FT.		C. FT.	C. FT.	NO.	NO.	NO.		NO.
..	..	97,111	97,291	..	534	..	..	534
..	..	52,373	99,227	..	278	340	..	618
..	..	149,484	196,518	..	812	340	..	1,152
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	901,528	907,974	3,280	3,788,360	78,860	..	3,870,500
..	..	398,000	472,242	..	..	..	..	..
..	..	1,299,528	1,380,216	3,280	3,788,360	78,860	..	3,870,500
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
400	..	265,693	272,966	142	1,483,910	..	..	1,484,052
..	..	247,771	310,383	7	3,497	..	..	3,504
400	..	513,464	583,349	149	1,487,407	..	..	1,487,556
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	17,910	35,454	28,600	..	..	..	28,600
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	406,249	467,174	2,392	2,821,000	168	..	2,823,560
..	..	424,159	502,628	30,992	2,821,000	168	..	2,852,160
..	..	477,470	480,444	3,250	4,231,050	500	..	4,234,800
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	241,886	308,819	..	195,775	9,100	..	204,875
..	..	719,356	789,263	3,250	4,426,825	9,600	..	4,439,675
..	..	423,565	452,425	..	103,091	..	..	103,091
..	..	944,143	953,965	..	62,476	..	..	62,476
..	..	1,367,708	1,406,390	..	165,567	..	..	165,567
..	..	383,097	393,948	..	..	..	..	..
..	..	313,969	314,869	..	2,356	..	..	2,356
..	..	697,066	713,817	..	2,356	..	..	2,356

Outturn (in cubic feet solid) of Timber and Fuel and of Bamboos

District.	Timber.						
	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Government.	Purchasers.
1	2	3	4	5	6	7	8
SOUTHERN CIRCLE.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.
South Canara.							
Reserved Forests—							
Rosewood (*Dalbergia latifolia*)	698	25	..	..	723	..	..
Vengai (*Pterocarpus marsupium*)	..	75	..	..	75	..	..
Ironwood (*Xylia dolabriformis*)	169	..	..	..	169	..	..
Hopea (Kiralbhogi)	239	150	..	..	389	..	..
Maddi (*Terminalia tomentosa*) ..	1,139	1,550	..	..	2,689	..	..
Miscellaneous	13,133	1,648	..	..	14,781	..	..
Total ..	15,378	3,448	..	..	18,826	203,505	86,697
Reserved lands—							
Teak	..	25	..	..	25	..	..
Rosewood	5	25	..	..	30	..	..
Ironwood	62	25	..	..	87	..	..
Hopea	12	50	..	..	62	..	..
Maddi	..	400	..	..	400	..	..
Miscellaneous	..	475	..	..	475	..	..
Total ..	79	1,000	..	..	1,079	..	22,401
Unreserved lands—							
Teak	..	551	..	2,525	3,076	..	..
Rosewood	..	900	..	1,175	2,075	..	..
Vengai	..	83	..	125	208	..	..
Ironwood	27	723	100	2,475	3,325	..	..
Hopea	325	1,486	250	78,375	80,436	..	..
Maddi	47	1,262	575	400	2,284	..	..
Miscellaneous	218	10,112	75	34,125	44,530	..	..
Total ..	617	15,117	1,000	119,200	135,934	..	170,366
Total, South Canara ..	16,074	* 19,565	1,000	119,200	155,839	203,505	279,464
North Malabar.							
Reserved forests—							
Teak	80,980	3,770	..	..	84,750	..	..
Vengai (*Pterocarpus marsupium*)	10,654	2,052	..	..	12,706	..	..
Blackwood (*Dalbergia latifolia*)	2,905	868	..	..	3,773	..	..
Benteak (*Lagerstromia microcarpa*)	1,734	73	..	..	1,807	..	..
Maddi (*Terminalia tomentosa*).	18,749	491	..	..	19,240	..	..
Irul or Ironwood (*Xylia dolabriformis*)	1,502	..	..	..	1,502	..	..
Miscellaneous	10,700	..	..	..	10,700	..	..
Total ..	127,224	7,254	..	..	134,478	..	2,820
Unreserved lands—							
Blackwood (*Dalbergia latifolia*)	..	739	..	..	739	..	..
Miscellaneous	..	1,495	..	..	1,495	..	..
Total ..	..	† 2,234	..	..	2,234	..	300
Total, North Malabar ..	127,224	9,488	..	..	136,712	..	3,120
South Malabar.							
Reserved forests—							
Teak	6,579	7,150	..	..	13,729	..	..
Rosewood or blackwood ..	..	1,040	..	..	1,040	..	..
Irul or Ironwood	12,203	3,900	..	..	16,103	..	..
Maddi	422	10,650	..	..	11,072	..	..
Miscellaneous	4,507	18,330	..	..	22,837	..	..
Total ..	23,711	41,070	..	..	64,781	278,771	..

* Includes confiscated and waif produce.

† Besides, Rs. 878 were realised by the Tahsildar of Wynaad on account of the value of trees on darkast lands; the

(in number) during the year 1904–1905, and Agency of Exploitation—*cont.*

Fuel.			Total.	Bamboos.				
Free-grantees.	Right-holders.	Total.	Outturn.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.
9	10	11	12	13	14	15	16	17
C. FT.	C. FT.	C. FT.	C. FT.	NO.	NO.	NO.	NO.	NO.
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	290,202	309,028	14,944	16,817	..	..	31,761
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	22,401	23,480	50	4,450	..	..	4,500
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	170,366	306,300	250	63,765	..	..	64,015
..	..	482,969	638,808	15,244	* 85,032	..	..	100,276
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	2,820	137,298	2,700	18,050	..	..	20,750
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	300	2,534	..	..	..	..	..
..	..	3,120	139,832	2,700	18,050	..	..	20,750
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	278,771	343,552	2,241	23,616	..	..	25,857

* Volume of the wood sold is not known.

Outturn (in cubic feet solid) of Timber and Fuel and of Bamboos.

District.	Timber.						
	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Government.	Purchasers.
1	2	3	4	5	6	7	8
SOUTHERN CIRCLE—*cont.*	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.
South Malabar—cont.							
Reserved lands—							
Teak	67,596	149	..	..	67,745	..	..
Rosewood or blackwood ..	760	182	..	..	942	..	..
Irul or ironwood	57,268	14,560	..	..	71,828	..	..
Vengai	574	..	..	..	574	..	..
Hopea (Irubhogham)	50	..	..	..	50	..	..
Maddi	6,413	1,326	..	..	7,739	..	..
Miscellaneous	47,651	14,118	..	..	61,769	..	..
Total ..	180,312	30,335	..	..	210,647	5,906	120
Unreserved lands—							
Irul or ironwood	71	..	..	..	71	..	..
Miscellaneous	882	252	..	..	1,134	..	..
Total ..	953	252	..	..	1,205	..	40
Total, South Malabar ..	204,976	71,657	..	..	276,633	284,677	160
The Nilgiris.							
Reserved forests—							
Sandalwood	372	..	..	..	372	..	..
Teak	12,498	535	..	..	13,033	..	..
Vengai	6,186	385	..	..	6,571	..	..
Blackwood or Rosewood ..	3,508	51	..	..	3,559	..	..
Venteak	2,965	..	..	..	2,965	..	..
Miscellaneous	4,122	3,826	52	..	8,000	..	..
Total ..	29,651	4,797	52	..	34,500	424,471	40,477
Reserved lands—							
Miscellaneous	..	98	..	200	298	..	..
Unreserved lands—							
Miscellaneous	10,790	6,424	..	..	6,424	..	..
Total, The Nilgiris ..	29,651	11,319	52	200	41,222	424,471	40,477
North Coimbatore.							
Reserved forests—							
Sandalwood	†2,859	..	..	..	2,859	..	..
Vengai	4,895	..	..	..	4,895	..	..
Karumathi (*Terminalia tomentosa*)	361	..	..	..	361	..	..
Miscellaneous	2,675	15,606	..	..	18,281	..	..
Total ..	10,790	15,606	..	..	26,396	31,209	72,929
Unreserved lands—							
Miscellaneous	..	402	2,613	..	3,015	..	4,671
Total, North Coimbatore ..	10,790	16,008	‡2,613	..	29,411	31,209	77,600
South Coimbatore.							
Reserved forests—							
Teak	12,004	270	..	..	12,274	..	..
Rosewood	402	..	..	..	402	..	..
Ironwood	2,079	..	..	..	2,079	..	..
Vengai	16,051	337	..	..	16,388	..	..
Karumarudu (Maddi)	10,391	..	..	..	10,391	..	..
Miscellaneous	41,314	21,251	315	..	62,880	..	..
Total ..	82,241	21,858	315	..	104,414	712,395	* 474,011 2,694
Unreserved lands—							
Miscellaneous	549	1,135	180	..	1,864	1,289	9,504
Total, South Coimbatore ..	82,790	22,993	495	..	106,278	713,684	486,209

* Charcoal. † Excludes one tree the volume of which is stated to be not known.
‡ Includes 45 palmyra trees the volume of which gas been taken to be 1,800 cubic feet or 40 cubic feet a tree.

(in number) during the year 1904-1905, and Agency of Exploitation—*cont.*

Fuel.			Total.	Bamboos.				
Free-grantees.	Right-holders.	Total.	Outturn.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.
9	10	11	12	13	14	15	16	17
C. FT.	C. FT.	C. FT.	C. FT.	NO.	NO.	NO.	NO.	NO.
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	3,026	216,673	40,570	6,600	..	..	47,170
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	40	1,245	..	..	..	..	..
..	..	284,837	561,470	42,811	30,216	..	..	73,027
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
1,760	..	466,708	501,208	..	54,936	3,685	..	58,621
23	67	90	388	..	..	..	1,150	1,150
..	..	..	6,424	..	..	..	..	..
1,783	67	466,798	508,020	..	54,936	3,685	1,150	59,771
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	104,138	130,534	..	171,720	320	..	172,040
110	..	4,781	7,796	..	..	..	..	..
110	..	108,919	138,330	..	171,720	320	..	172,040
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	1,189,100	1,293,514	2,000	1,628,960	3,360	..	1,634,320
..	..	10,793	12,657	..	..	..	..	..
..	..	1,199,893	1,306,171	2,000	1,628,960	3,360	..	1,634,320

Outturn (in cubic feet solid) of Timber and Fuel and of Bamboos

District.	Timber.						
	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Government.	Purchasers.
1	2	3	4	5	6	7	8
SOUTHERN CIRCLE—*cont.*	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.
Madura.							
* Reserved forests—							
Teak	780	..	..	..	† 780	..	..
Rosewood	42	..	..	..	42	..	..
Miscellaneous	108	6,418	..	..	6,526	..	..
Total ..	930	6,418	..	..	7,348	1,470,738	362,213
Unreserved lands—							
Miscellaneous	1,080	67,107	..	..	68,187	..	254,550
Total, Madura ..	2,010	73,525	..	..	75,535	1,470,738	616,763
Tinnevelly.							
Reserved forests—							
Teak	‡ 60	..	..	..	60	..	..
Hopea	117	..	..	..	117	..	..
Miscellaneous	5,732	50,306	270	..	56,308	..	..
Total ..	5,909	50,306	270	..	56,485	..	1,151,413
Unreserved lands—							
Miscellaneous	..	..	325	..	325	9,125	268,061
Total, Tinnevelly ..	5,909	50,306	595	..	56,810	9,125	1,419,474
NORTHERN CIRCLE.							
Reserved forests—							
Sâl (*Shorea robusta*)	1,000	101,006	..	..	102,006	..	..
Teak (*Tectona grandis*)	5,618	4,822	..	..	10,440	..	..
Vengai (*Pterocarpus marsupium*)	11,427	..	..	..	11,427	..	..
Ironwood (*Xylia dolabriformis*).	261	..	..	..	261	..	..
Maddi (*Terminalia tomentosa*)..	2,502	86	..	..	2,588	..	..
Miscellaneous	23,794	524,940	10,084	1,311	560,129	..	..
Total ..	44,602	630,854	10,084	1,311	686,851	3,390,988	1,753,496
Reserved lands—							
Sâl (*Shorea robusta*)	177	..	..	..	177	..	..
Teak (*Tectona grandis*) ..	1,471	..	..	..	1,471	..	..
Miscellaneous	7,957	5,141	..	..	13,098	..	..
Total ..	9,605	5,141	..	..	14,746	814,525	44,998
Unreserved lands—							
Teak	157	1,507	..	..	1,664	..	..
Vengai	36	4,890	..	..	4,926	..	..
Rosewood (*Dalbergia latifolia*).	2	..	..	..	2	..	..
Ironwood	2	..	..	..	2	..	..
Maddi (*Terminalia tomentosa*)..	52	18,945	81	..	19,078	..	..
Miscellaneous	7,657	769,583	21,558	..	798,798	..	..
Total ..	7,906	794,925	21,639	..	824,470	232,806	1,187,739
Grand Total, Northern Circle ..	62,113	1,430,920	31,723	1,311	1,526,067	4,438,319	2,986,233
CENTRAL CIRCLE.							
Reserved forests—							
Sandalwood (*Santalum album*)..	1,558	..	..	..	1,558	..	..
Teak (*Tectona grandis*)	666	..	..	..	666	..	..
Red sanders (*Pterocarpus santalinus*)	738	..	..	..	738	..	..
Miscellaneous	100,874	190,191	13,423	..	304,488	..	..
Total ..	103,836	190,191	13,423	..	307,450	2,013,710	2,217,054

ABS

* Includes also reserved lands for which no separate figures have been furnished by the Collector.

† Inclusive of 580 cubic feet of scantlings received from Coimbatore.

‡ Besides these 3,786 poles were received from South Malabar for sale in this district and their volume is reported to be not known.

(in number) during the year 1904-1905, and Agency of Exploitation—*cont.*

Fuel.			Total.	Bamboos.				
Free-grantees.	Right-holders.	Total.	Outturn.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.
9	10	11	12	13	14	15	16	17
C FT.	C. FT.	C. FT.	C. FT.	NO.	NO.	NO.	NO.	NO.
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	1,832,951	1,840,299	..	166,452	..	..	166,452
..	..	254,550	322,737	..	..	..	..	..
..	..	2,087,501	2,163,036	..	166,452	..	..	166,452
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	1,151,413	1,207,898	2,531	‡ 2,068	..	..	4,599
..	..	277,186	277,511	38	60	..	..	98
..	..	1,428,599	1,485,409	2,569	2,128	..	..	4,697
TRACT.								
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
640	257,510	5,402,634	6,089,485	555,031	11,474,758	37,100	20,489	12,087,378
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	859,523	874,269	300	96,241	..	..	96,541
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	1,420,545	2,245,015	5,750	7,042,759	4,590	..	7,053,099
640	257,510	7,682,702	9,208,769	561,081	18,613,758	41,690	20,489	19,237,018
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
400	..	4,231,164	4,538,614	35,272	11,055,260	132,210	..	11,222,742

‡ 100½ tons of Itakalli were also removed by purchasers.

Outturn (in cubic feet solid) of Timber and Fuel and of Bamboos.

District.	Timber.						
	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Government.	Purchasers.
1	2	3	4	5	6	7	8
							ABS.
CENTRAL CIRCLE—*cont.*	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.
Reserved lands—							
Miscellaneous	..	2,068	..	..	2,068	..	1,051
Unreserved lands—							
Sandalwood	1,072	..	..	..	1,072	..	..
Miscellaneous	8,766	337,047	40,562	..	386,375	..	..
Total ..	9,838	337,047	40,562	..	387,447	204,585	2,629,601
Total Central Circle ..	113,674	529,306	53,985	..	696,965	2,218,295	4,847,706
SOUTHERN CIRCLE.							
Reserved forests—							
Sandalwood (*Santalum album*).	3,231	..	..	..	3,231	..	..
Teak (*Tectona grandis*) ..	112,901	11,725	..	..	124,626	..	..
Rosewood (*Dalbergia latifolia*..	7,555	1,984	..	..	9,539	..	..
Ironwood (*Xylia dolabriformis*).	15,953	3,900	..	..	19,853	..	..
Vengai (*Pterocarpus marsupium*)	37,786	2,849	..	..	40,635	..	..
Venteak (*Lagerstroemia microcarpa*)	4,699	73	..	..	4,772	..	..
Hopea (*Kiralbhogi*)	356	150	..	..	506	..	..
Maddi (*Terminalia tomentosa*)..	31,062	12,691	..	..	43,753	..	..
Miscellaneous	82,291	117,385	637	..	200,313	..	..
Total ..	295,834	150,757	637	..	447,228	3,121,089	2,193,254
Reserved Lands—							
Sandalwood	..	..	..	..	..	..	..
Teak	67,596	174	..	..	67,770	..	..
Rosewood	765	207	..	..	972	..	..
Ironwood	57,830	14,585	..	..	71,915	..	..
Vengai	574	..	..	..	574	..	..
Hopea	62	50	..	..	112	..	..
Maddi	6,413	1,726	..	..	8,139	..	..
Miscellaneous	47,651	14,691	..	200	62,542	..	..
Total ..	180,391	31,433	..	200	212,024	5,906	22,521
Unreserved lands—							
Teak	..	551	..	2,525	3,076	..	..
Rosewood	..	1,639	..	1,175	2,814	..	..
Ironwood	98	723	100	2,475	3,396	..	..
Vengai	..	83	..	125	208	..	..
Hopea	325	1,486	250	78,375	80,436	..	..
Maddi	47	1,262	575	400	2,284	..	..
Miscellaneous	2,729	86,927	3,193	34,125	126,974	..	..
Total ..	3,199	92,671	4,118	119,200	219,188	10,414	707,492
Total, Southern Circle ..	479,424	274,861	4,755	119,400	878,440	3,137,409	2,923,267
NORTHERN CIRCLE.							
Reserved forests, reserved lands and unreserved lands—							
Sál	1,177	101,006	..	..	102,183	..	..
Teak	7,246	6,329	..	..	13,575	..	..
Vengai	11,463	4,890	..	..	16,353	..	..
Rosewood	2	..	..	..	2	..	..
Ironwood	263	..	..	..	263	..	..
Maddi	2,554	19,031	81	..	21,666	..	..
Miscellaneous	39,408	1,299,664	31,642	1,311	1,372,025	..	..
Total ..	62,113	1,430,920	31,723	1,311	1,526,067	4,438,319	2,986,233
CENTRAL CIRCLE.							
Reserved forests, reserved lands and unreserved lands—							
Sandalwood	2,630	..	..	..	2,630	..	..
Teak	666	..	..	..	666	..	..
Redsanders	738	..	..	..	738	..	..
Miscellaneous	109,640	529,306	53,985	..	692,931	..	..
Total ..	113,674	529,306	53,985	..	696,965	2,218,295	4,847,706

(in number) during the year 1904-1905, and Agency of Exploitation—*cont.*

Fuel.			Total.	Bamboos.				
Free-grantees.	Right-holders.	Total.	Outturn.	Government.	Purchasers.	Free-grantees.	Right holders.	Total.
9	10	11	12	13	14	15	16	17
TRACT—*cont.*								
C. FT.	C. FT.	C. FT.	C. FT.	NO.	NO.	NO.	NO.	NO.
..	..	1,051	3,119	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	2,834,186	3,221,633	2,399	3,085,382	9,608	..	3,097,389
400	..	7,066,401	7,763,366	37,671	14,140,642	141,818	..	14,320,131
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
1,760	..	5,316,103	5,763,331	24,416	2,082,619	7,365	..	2,114,400
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
23	67	28,517	240,541	40,620	11,050	..	1,150	52,820
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
110	..	718,016	937,204	288	63,825	..	..	64,113
1,893	67	6,062,636	6,941,076	65,324	2,157,494	7,365	1,150	2,231,333
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
640	257,510	7,682,702	9,208,769	561,081	18,613,758	41,690	20,489	19,237,018
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
400	..	7,066,401	7,763,366	37,671	14,140,642	141,818	..	14,320,131

Outturn (in cubic feet solid) of Timber and Fuel and of Bamboos

District.	Timber.					Fuel.	
	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Government.	Purchasers.
1	2	3	4	5	6	7	8
							ABS
SOUTHERN CIRCLE.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.
Reserved forests, reserved lands and unreserved lands—							
Sandalwood	3,231	..	..	..	3,231	..	..
Teak	180,497	12,450	..	2,525	195,472	..	..
Rosewood	8,320	3,830	..	1,175	13,325	..	..
Ironwood	73,381	19,208	100	2,475	95,164	..	..
Vengai	38,360	2,932	..	125	41,417	..	..
Venteak	4,699	73	..	..	4,772	..	..
Hopea	743	1,686	250	78,375	81,054	..	..
Maddi (*Terminalia tomentosa*)	37,522	15,679	575	400	54,176	..	..
Miscellaneous	132,671	219,003	3,830	34,325	389,829	..	..
Total ..	479,424	274,861	4,755	119,400	878,440	3,137,409	2,923,267
							PRESIDENCY
Reserved forests—							
Santalum album (Sandalwood)	4,789	..	..	..	4,789	..	..
Shorea robusta (Sâl)	1,000	101,006	..	..	102,006	..	..
Tectona grandis (Teak) ..	119,185	16,547	..	..	135,732	..	..
Pterocarpus santalinus (Red sanders)	738	..	..	..	738	..	..
Dalbergia latifolia (Rosewood or blackwood) ..	7,555	1,984	..	..	9,539	..	..
Xylia dolabriformis (Ironwood)	16,214	3,900	..	..	20,114	..	..
Pterocarpus marsupium (Vengai)	49,213	2,849	..	..	52,062	..	..
Lagerstroemia microcarpa (Venteak)	4,699	73	..	..	4,772	..	..
Kiralbhogi (Hopea)	356	150	..	..	506	..	..
Terminalia tomentosa (Maddi)	33,564	12,777	..	..	46,341	..	..
Miscellaneous	206,959	832,516	24,144	1,311	1,064,930	..	..
Total, reserved forests ..	444,272	971,802	24,144	1,311	1,441,529	8,525,787	6,163,804
Reserved lands—							
Sâl	177	..	..	..	177	..	..
Teak	69,067	174	..	..	69,241	..	..
Rosewood	765	207	..	..	972	..	..
Ironwood	57,330	14,585	..	..	71,915	..	..
Vengai	574	..	..	..	574	..	..
Hopea	62	50	..	..	112	..	..
Maddi	6,413	1,726	..	..	8,139	..	..
Miscellaneous	55,608	21,900	..	200	77,708	..	..
Total, reserved lands ..	189,996	38,642	..	200	228,838	820,431	68,570
Unreserved lands—							
Sandalwood	1,072	..	..	..	1,072	..	..
Teak	157	2,058	..	2,525	4,740	..	..
Rosewood	2	1,639	..	1,175	2,816	..	..
Ironwood	100	723	100	2,475	3,398	..	..
Vengai	36	4,973	..	125	5,134	..	..
Hopea	325	1,486	250	78,375	80,436	..	..
Maddi	99	20,207	656	400	21,362	..	..
Miscellaneous	19,152	1,193,557	65,313	34,125	1,312,147	..	..
Total, unreserved lands ..	20,943	1,224,643	66,319	119,200	1,431,105	447,805	4,524,832
Reserved forests, reserved lands and unreserved lands—							
Sandalwood	5,861	..	..	..	5,861	..	..
Sâl	1,177	101,006	..	..	102,183	..	..
Teak	188,409	18,779	..	2,525	209,713	..	..
Red sanders	738	..	..	..	738	..	..
Rosewood	8,322	3,830	..	1,175	13,327	..	..
Ironwood	73,644	19,208	100	2,475	95,427	..	..
Vengai	49,823	7,822	..	125	57,770	..	..
Venteak	4,699	73	..	..	4,772	..	..
Hopea	743	1,686	250	78,375	81,054	..	..
Maddi	40,076	34,710	656	400	75,842	..	..
Miscellaneous	281,719	2,047,973	89,457	35,636	2,454,785	..	..
Grand Total, Presidency ..	655,211	2,235,087	90,463	120,711	3,101,472	9,794,023	10,757,206
Grand Total, Presidency, 1903-04.	320,194	2,476,856	67,679	77,321	2,942,050	6,180,438	10,925,619

(in number) during the year 1904–1905, and Agency of Exploitation—*cont.*

Fuel.			Total.	Bamboos.				
Free-grantees.	Right-holders.	Total.	Outturn.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.
9	10	11	12	13	14	15	16	17
TRACT—*cont.*								
C. FT.	C. FT.	C. FT.	C. FT.	NO.	NO.	NO.	NO.	NO.
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
1,893	67	6,062,636	6,941,076	65,324	2,157,494	7,365	1,150	2,231,333
ABSTRACT.								
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
2,800	257,510	14,949,901	16,391,430	614,719	24,612,637	176,675	20,489	25,424,520
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
23	67	889,091	1,117,929	40,920	107,291	..	1,150	149,361
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
110	..	4,972,747	6,403,852	8,437	10,191,966	14,198	..	10,214,601
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
2,933	257,577	20,817,739	23,913,211	664,076	34,911,894	190,873	21,639	35,788,482
8,801	258,731	17,372,989	20,315,039	513,189	36,189,698	233,360	29,912	36,966,159

ANNUAL FORM No. 56.

Forest Department, Madras Presidency.

OUTTURN of Minor Forest Produce during the year 1904–1905.

Circle.	Description of produce.	Produce removed or utilized.					
		By Government Agency.		By purchasers.	By free grants.	By right-holders.	Total.
		Quantity in maunds of 25 lb.	Value.	Value.	Value.	Value.	Value.
1	2	3	4	5	6	7	8
		MDS.	RS.	RS.	RS.	RS.	RS.
Northern Circle.	Grazing and fodder grass ..	21,486	1,666	2,22,860	369	1,309	2,26,204
	Grass (thatch, korai, etc.)	105,056	1,255	1,344	44	..	2,643
	Tamarind, soapnuts, gallnuts, nux-vomica, sheakoy, etc.	7,007	3,093	77,417	..	38,950	1,19,460
	Horns, honey, wax, resin, gum, skins, etc.	119	289	2,633	..	..	2,922
	Tangedu, Vembadam, etc., barks and fibres.	..	..	55,822	..	..	55,822
	Plumbago, stone, gravel, earth, etc.	5,400	..	11,306	61	..	11,367
	Manure leaves, thorns, etc. ‡ ..	..	..	1,854	..	..	1,854
	Date and palmyra leaves ..	..	..	953	14	..	967
	Miscellaneous (inclusive of tree-owner's fees).	13	..	1,07,404	73	..	1,07,477
	Total ..	139,141	6,303	4,81,593	561	40,259	5,28,716
Central Circle.	Grazing and fodder grass ..	17,488	* 788	2,83,874	861	356	2,85,879
	Grass (thatch, korai, etc.) ..	..	..	3,358	381	..	3,739
	Tamarind, soapnuts, gallnuts, nux-vomica, sheakoy, etc.	6,552	3,976	25,648	..	..	29,624
	Horns, honey, wax, resin, gum, skins, etc.	107	748	13	..	..	761
	Tangedu, Vembadam, etc., barks and fibres.	149	280	9,220	..	..	9,500
	Mica, stone, gravel, earth, &c.	..	..	60,722	..	..	60,722
	Manure leaves, thorns, etc. ‡ ..	..	..	8,383	..	..	8,383
	Date and palmyra leaves ..	..	..	1,727	137	..	1,864
	Miscellaneous (inclusive of tree-owner's fees).	3,039	539	1,34,022	157	94	1,34,812
	Total ..	27,335	6,331	5,26,967	1,536	450	5,35,284
Southern Circle.	Grazing and fodder grass ..	3,155	303	1,20,455	..	..	1,20,758
	Grass (thatch, korai, etc.) ..	..	..	4,492	37	..	4,529
	Catechu	1,466	11,431	..	..	..	11,431
	Tamarind, soapnut, gallnut, nux-vomica, sheakoy, etc.	25,395	13,495	6,060	..	..	19,555
	Pepper, cardamoms, turmeric, etc.	215	1,307	6,749	..	..	8,056
	Horns, honey, wax, resin, gum, skins, etc.	1,155	7,289	561	..	..	7,850
	Tangedu, Vembadam, etc., barks and fibres.	12	21	3,426	..	..	3,447
	Stone, gravel, earth, etc. ..	..	..	11,029	..	..	11,029
	Manure leaves, thorns, etc. ..	..	..	† 12,152	..	..	12,152
	Palmyra, etc., leaves	..	..	18	18	..	36
	Rubber	6	75	..	..	..	75
	Miscellaneous	1,240	661	47,440	..	808	48,909
	Total ..	32,644	34,582	2,12,382	55	808	2,47,827
Presidency total.	Grazing and fodder grass ..	42,129	2,757	6,27,189	1,230	1,665	6,32,841
	Grass (thatch, korai, etc.) ..	105,056	1,255	9,194	462	..	10,911
	Catechu	1,466	11,431	..	..	..	11,431
	Tamarind, soapnuts, gallnuts, nux-vomica, sheakoy, etc.	39,014	20,564	1,09,125	..	38,950	1,68,639
	Pepper, cardamoms, dammer, turmeric, etc.	215	1,307	6,749	..	..	8,056
	Horns, honey, wax, resins, gums, skins, etc.	1,381	8,326	3,207	..	..	11,533
	Tangedu, Vembadam, etc., barks and fibres.	161	301	68,468	..	..	68,769
	Plumbago, mica, stone, gravel, earth, etc.	5,400	..	83,057	61	..	83,118
	Rubber	6	75	..	..	..	75
	Manure leaves, thorns, etc. ..	..	..	22,389	..	..	22,389
	Date and palmyra leaves ..	..	..	2,698	169	..	2,867
	Miscellaneous (inclusive of tree-owner's fees).	4,292	1,200	2,88,866	230	902	2,91,198
	Grand Total ..	199,120	47,216	12,20,942	2,152	41,517	13,11,827

* Excludes the value of 3,165 maunds collected in North Salem. The Collector has not reported the value.

† This includes a sum of Rs. 10,198 shown in Form No. 56 for the Madura district against "grass, leaves and thorns." The value of the manure leaves and thorns removed in the district has however not been shown separately.

‡ The Collectors of Kistna, Guntúr, Kurnool-East, Kurnool-West, North Salem, Trichinopoly and Tanjore have not shown in their returns the value of this produce separately.

Annual Form No. 57.

Forest Department, Madras Presidency.

Account of Timber and other produce cut or collected by Government Agency and brought to depots, sold locally or otherwise disposed of during 1904–1905.

Name of district.	Balance at commencement of the year in forest and sale depots.	Received during the year.	Total.	Disposed of during the year.	Balance in hand at close of the year in forest and sale depots.
1	2	3	4	5	6
TIMBER (cubic feet).					
Northern Circle.					
Ganjám	13,453	15,398	28,851	19,039	9,812
Vizagapatam	1,505	2,486	3,991	2,871	1,120
Gódávari	* 5,042	7,886	12,928	7,973	4,955
Kistna	..	2,231	2,231	1,915	316
Guntúr	..	3,295	3,295	1,836	1,459
Kurnool, East	439	4,992	5,431	3,089	2,342
Do. West	6,006	15,837	21,843	10,540	11,303
Bellary	3,878	9,428	13,306	5,505	7,801
Anantapur	..	560	560	..	560
Total	30,323	62,113	92,436	52,768	39,668
Central Circle.					
Cuddapah	† 711	76,011	76,722	28,968	47,754
Nellore	1,092	2,535	3,627	3,627	..
Chingleput	..	..	.	..	..
North Arcot	44	3,572	3,616	3,468 ‡ 142 § 5	1
South do.	128	500	628	175	453
North Salem	6,233	25,573	31,806	22,548	9,258
South do.	1,010	4,783	5,793	3,587	2,206
Trichinopoly	..	..	..	..	..
Tanjore	..	700	700	700	..
Total	9,218	113,674	122,892	68,220	59,672
Southern Circle.					
South Canara	63,075	16,074	79,149	17,832 ‡ 1,113 § 824	59,380
Malabar (North)	153,128	127,224	280,352	128,794	151,558
Do (South)	29,111	204,976	234,087	56,418 § 22,616 ‡ 12,123 ‖ 1,436 ¶ 738	140,756
The Nilgiris	9,020	29,651	38,671	17,708	20,963
Coimbatore (North)	† 3,401	10,790	14,191	2,175	12,016
Do. (South)	105,935	82,790	188,725	63,523 ** 17,458	107,744
Madura	40	2,010	2,050	1,470	580
Tinnevelly	547	5,909	6,456	2,221	4,235
Total	364,257	479,424	843,681	* 346,449	497,232
Grand Total	403,798	655,211	1,059,009	462,437	596,572
FUEL (cubic feet).					
Northern Circle.					
Ganjám	10,900	66,525	77,425	32,801	44,624
Vizagapatam	†† 15,210	273,724	288,934	281,101	7,833
Gódávari	‡‡ 54,725	490,115	544,840	353,811	191,029
Kistna	§§ 69,946	69,729	139,675	114,975	24,700
Guntúr	‖‖ 24,720	143,070	167,790	41,640	126,150
Kurnool, East	208,402	1,748,055	1,956,457	1,218,417	738,040
Do. West	42,246	657,512	699,758	90,890	608,868
Bellary	198,798	800,345	999,143	237,626	761,517
Anantapur	28,696	189,244	217,940	28,691	189,249
Total	653,643	4,438,319	5,091,962	2,399,952	2,692,010

* The variation in the opening balance is due to excess found on remeasurement. † Revised figure.
‡ Used departmentally. ¶ Handed over to telegraph department. ‖ Sent to Tuticorin for sale.
§ Written off or expunged from accounts. ** Wastage by sawing.

†† Excludes 140 kunchams and 348 lb. of charcoal which were approximately taken as 146 cubic feet, but the Collector reports that the volume of a kuncham is not known. The outturn of charcoal during the year was 9,640 kunchams and 979 lb; out of the total of 9,780 kunchams and 1,327 lb, 9,040 kunchams were disposed of during the year.

‡‡ Twenty three thousand nine hundred and twenty-four cubic feet were transferred to the new Kistna district. Hence the variation.

§§ Variation in opening balance due to transfers from and to other districts.

‖‖ Transferred from Kistna.

Account of Timber and other produce cut or collected by Government Agency and brought to depots, sold locally or otherwise disposed of during 1904–1905—*cont.*

Name of district.	Balance at commencement of the year in forest and sale depots.	Received during the year.	Total.	Disposed of during the year.	Balance in hand at close of the year in forest and sale depots.
1	2	3	4	5	6
FUEL (CUBIC FEET)—*cont.*					
Central Circle.					
Cuddapah	112,622	264,198	376,820	206,172	170,648
Nellore	94,219	652,674	746,893	645,506	101,387
Chinglepat	5,175	35,973	41,148	41,090	58
North Arcot	39,028	325,841	364,869	248,465 * 14,102 † 11	102,291
South do.	2,049	40,259	42,308	27,694 † 2,202	12,412
North Salem	4,351	51,570	55,921	47,914	8,007
South do.	64,933	474,015	538,948	399,891	139,057
Trichinopoly	45,441	371,836	417,277	370,551 * 10,107	36,619
Tanjore	..	1,929	1,929	1,845	84
Total	367,818	2,218,295	2,586,113	2,015,550	570,563
Southern Circle.					
South Canara	595	203,505	204,100	36,495 * 120	167,485
Malabar (North)	..	..	..	..	..
Do. (South)	7,330	284,677	292,007	163,940 ‡ 7,580 * 6,610	113,877
The Nilgiris	221,765	424,471	646,236	341,403	304,833
Coimbatore (North)	400	31,209	31,609	23,039	8,570
Do. (South)	124,381	713,684	838,065	672,189	165,876
Madura	4,715	1,470,738	1,475,453	1,465,965 * 4,715	4,773
Tinnevelly	3,050	9,125	12,175	11,689	486
Total	362,236	3,137,409	3,499,645	2,733,745	765,900
Grand Total	1,383,697	9,794,023	11,177,720	7,149,247	4,028,473
BAMBOOS (NUMBER).					
Northern Circle.					
Ganjám	3,680	470,380	474,060	472,540	1,520
Vizagapatam	..	14,300	14,300	4,206	10,094
Gódávari	150	9,750	9,900	9,750	150
Guntúr	..	400	400	400	..
Kurnool, West	100	65,951	66,051	5,703	60,348
Bellary	540	300	840	840	..
Total	4,470	561,081	565,551	493,439	72,112
Central Circle.					
North Arcot	..	3,280	3,280	† 3,280	..
South do.	..	149	149	149	..
North Salem	72,988	30,992	103,980	103,786	194
South do.	35	3,250	3,285	3,285	..
Total	73,023	37,671	110,694	110,500	194
Southern Circle.					
South Canara	900	15,244	16,144	950 † 4,158	11,036
Malabar (North)	14,400	2,700	17,100	* 17,100	..
Do. (South)	2,470	42,811	45,281	32,433 † 3,148 § 1,700	8,000
Coimbatore (South)	512	2,000	2,512	2,333	179
Tinnevelly	...	2,569	2,569	796	1,773
Total	18,282	65,324	83,606	62,618	20,988
Grand Total	95,775	664,076	759,851	666,557	93,294

* Written off. † Used departmentally. ‡ Sent to Coimbatore. § Sent to Tuticorin for sale.

Account of Timber and other produce cut or collected by Government Agency and brought to depots, sold locally or otherwise disposed of during 1904–1905—*cont.*

Name of district.	Balance at commencement of the year in forest and sale depots.	Received during the year.	Total.	Disposed of during the year.	Balance in hand at close of the year in forest and sale depots.
1	2	3	4	5	6
MINOR PRODUCE (MAUNDS OF 25 LB.).					
Northern Circle.					
Ganjám	..	5,400	5,400	* 5,070	† 330
Vizagapatam	741	9,184	9,925	7,817	2,108
Gódávari	..	95,334	95,334	95,334	..
Kistna	277	132	409	122	287
Guntúr	13,385	5,606	18,991	4,350	14,641
Kurnool, East	..	3,669	3,669	173	3,496
Do. West	..	2,403	2,403	686	1,717
Bellary	5,343	17,408	22,751	6,392	16,359
Anantapur	3,248	5	3,253	1,675	1,578
Total ..	22,994	139,141	162,135	121,619	40,516
Central Circle.					
Cuddapah	‡ 754	2,998	3,752	1,516	2,236
Nellore	‡ 2,119	5,987	8,106	2,074	6,032
Chingleput	‡ 294	2,716	3,010	3,010	..
North Arcot	..	6,000	6,000	4,979 § 96 ‖ 24	901
South do.	374	1,976	2,350	331 § 374	1,645
North Salem	..	3,165	3,165	920	2,245
South do.	2,415	3,791	6,206	2,701	3,505
Trichinopoly	..	690	690	458	232
Tanjore	3	12	15	3	12
Total ..	5,959	27,335	33,294	16,486	16,808
Southern Circle.					
South Canara	‡ 189	1,574	1,763	1,604 * 40 ¶ 13	106
Malabar (North)	516	286	802	658	144
Do. (South)	..	86	86	84	2
The Nilgiris	4,601	2,200	6,801	3,953	2,848
Coimbatore (North)	23,000	22,420	45,420	23,715	21,705
Do. (South)	446	5,997	6,443	3,690	2,753
Tinnevelly	..	81	81	81	..
Total ..	28,752	32,644	61,396	33,838	27,558
Grand Total ..	57,705	199,120	256,825	171,943	84,882

* Used departmentally. † Equivalent of 5½ cubic yards of rough stone. ‡ Revised figure.
§ Written off. ‖ Distributed to ryots free. ¶ Written off and used as specimen.

ANNUAL FORM No. 58.

Forest Department, Madras Presidency.

STATEMENT showing the value of Timber and other Produce at sale depots for the year 1904–1905.

District.	Description of timber or produce.	On hand at commencement of the year.			On hand at close of the year.			Difference in value.	
		Number.	Cubic feet.	Value.	Number.	Cubic feet.	Value.	In favour of the year.	Against the year.
1	2	3	4	5	6	7	8	9	10
	Northern Circle.			RS.			RS.	RS.	RS.
Ganjám ..	Sál	..	9,187	2,297	..	8,324	2,081	..	216
	Miscellaneous ..	..	107	7		57	4	..	3
	Total, Timber ..	..	9,294	2,304	..	8,381	2,085	..	219
	Fuel	..	2,275	216	..	1,604	140	..	76
	Bamboos	3,680	..	23	1,520	..	9	..	14
Vizagapatam.	Miscellaneous timber ..	..	1,505	1,092	..	1,120	348	..	744
	Fuel	..	15,356	1,021	...	* 7,833	516	..	505
	Bamboos	..	..	..	10,094	..	22	22	..
		MDS.			MDS.				
	Minor produce ..	741	..	73	2,108	..	221	148	..
Gódávari ..	Teak	..	† 2,476	1,238	..	2,851	1,425	187	..
	Ebony	..	73	183	.. ..	..	..	..	183
	Maddi	..	..	..	..	156	39	39	..
	Miscellaneous ..	..	2,493	1,413	..	1,948	863	..	550
	Total, Timber ..	..	5,042	2,834	..	4,955	2,327	..	507
	Fuel	..	‡ 54,725	2,487	..	191,029	8,683	6,196	..
	Bamboos ..	150	..	5	150	..	5	..	..
Kistna ..	Miscellaneous timber ..	..	..	..	..	316	115	115	..
	Fuel	..	26,811	3,560	..	14,887	1,315	..	2,245
						§ 72	15	15	..
		MDS.			MDS.				
	Minor produce ..	197	..	54	287	..	151	97	..
Guntur ..	Miscellaneous timber ..	..	..	..	..	689	129	129	..
	Fuel	..	..	..	..	67,287	11,776	11,776	..
Kurnool East	Miscellaneous timber ..	..	439	221	..	2,342	1,171	950	..
	Fuel	..	208,402	12,258	..	738,040	42,733	30,475	..
					MDS.				
	Minor produce ..	..	..	..	3,496	..	2,033	2,033	..
Kurnool West.	Miscellaneous timber ..	..	6,006	3,003	..	11,303	5,652	2,649	..
	Fuel	..	42,246	2,485	..	608,868	35,816	33,331	..
					MDS.				
	Minor produce ..	..	..	..	1,717	..	507	507	..
Bellary ..	Teak	..	513	28	..	224	20	..	8
	Miscellaneous ..	..	3,365	350	..	306	25	..	325
	Total, Timber ..	..	3,878	378	..	530	45	..	333
	Fuel	..	198,798	16,566	..	330,569	19,873	3,307	..
	Bamboos ..	540	..	10	..	..	..	..	10
	Minor Forest produce ..	MDS. 5,343	..	300	MDS. 3,085	..	185	..	115
Anantapur ..	Miscellaneous timber ..	..	..	..	..	560	¶ ..	..	..
	Fuel	..	28,696	2,110	..	189,249	13,915	11,805	..
		MDS.			MDS.				
	Minor produce ..	3,248	..	164	1,578	..	82	..	82

* Excludes 740 kunchams and 1,327 lbs. of charcoal, the volume and value of which have not been reported by the Collector.

† Revised figure; excess found on remeasurement.

‡ Excludes 23,924 c. ft. transferred to Kistna.

§ Charcoal.

‖ Form No. 57 shows 14,641 maunds of minor produce but this return does not bring them to account.

¶ Not reported.

Statement showing the value of Timber and other Produce at sale depots, etc.—*cont.*

District.	Description of timber or produce.	On hand at commencement of the year.			On hand at close of the year.			Difference in value.	
		Number.	Cubic feet.	Value.	Number.	Cubic feet.	Value.	In favour of the year.	Against the year.
1	2	3	4	5	6	7	8	9	10
	Central Circle.			Rs.			Rs.	Rs.	Rs.
Cuddapah ..	Miscellaneous timber ..	..	*711	212	..	47,754	11,315	11,103	..
	Fuel	..	*112,623	3,500	..	170,648	51,26	1,626	..
	Minor produce ..	MDS. 335	..	40	MDS. 2,236	..	1,741	1,701	..
Nellore ..	Miscellaneous timber ..	..	1,092	289	..	..	..	..	289
	Fuel	..	94,219	4,382	..	101,387	5,543	1,161	..
	Minor produce ..	MDS. 2,119	..	1,252	MDS. 6,032	..	2,876	1,624	..
Chingleput.	Fuel	..	5,175	383	..	58	7	..	376
	Minor produce ..	MDS. *294	..	44	..	..	..	..	44
North Arcot.	Sandalwood ..	..	2	11	..	..	..	..	11
	Miscellaneous timber ..	..	..	..	..	1	..	..	..
	Total, Timber ..	..	2	11	..	1	..	..	11
	Fuel	..	17,931	3,586	..	68,585	4,601	1,015	..
	Minor produce ..	..	..	..	MDS. 632	..	278	278	..
North Salem.	Miscellaneous timber ..	..	6,233	5,125	..	9,258	6,280	1,165	..
	Fuel	..	4,351	91	..	8,007	166	75	..
	Bamboos ..	72,988	..	1,281	194	..	24	..	1,257
	Minor produce ..	..	..	..	MDS. 2,245	..	210	210	..
South Salem.	Sandalwood ..	..	141	1,410	..	83	498	..	912
	Miscellaneous timber ..	..	869	650	..	2,123	707	57	..
	Total, Timber ..	..	1,010	2,060	..	2,206	1,205	..	855
	Fuel	..	64,933	6,461	..	139,057	11,208	4,747	..
	Bamboos ..	35	..	8	..	..	..	..	8
	Minor produce ..	MDS. 2,415	..	127	MDS. 3,505	..	185	58	..
Trichinopoly.	Fuel	..	45,441	5,573	..	36,619	4,722	..	851
	Minor produce ..	..	..	..	MDS. 232	..	159	159	..
Tanjore ..	Fuel	..	..	..	..	84	2	2	..
	Minor produce ..	MDS. .3	..	2	MDS. 12	..	7	5	..
	Southern Circle.								
South Canara.	Miscellaneous timber ..	..	4,254	3,315	..	11,330	6,636	3,321	..
	Bamboos ..	900	..	90	150	..	15	..	75
	Minor produce ..	MDS. *169	..	810	MDS. 57	..	903	93	..
North Malabar.	Teak	..	114,358	64,336	..	89,737	50,477	..	13,859
	Vengai	..	31,410	17,668	..	32,032	18,018	350	..
						67	2	2	..
	Rosewood ..	..	1,786	1,005	..	3,961	2,238	1,233	..
	Matti	..	4,140	517	..	16,075	5,024	4,507	..
						409	290	290	
	Benteak	..	34	4	..	1,318	577	573	..
	Ironwood ..	..	..	..	..	1,502	1,068	1,068	..
	Miscellaneous ..	..	1,400	174	..	6,457	4,031	4,857	..
	Total, Timber ..	..	153,128	83,704	..	151,558	82,725	..	978
	Bamboos ..	14,400	..	720	..	..	..	..	720
	Minor produce ..	MDS. 513	..	690	MDS. 144	..	1,130	440	..

* Revised figure.

Statement showing the value of Timber and other Produce at sale depots, &c.—*cont.*

District.	Description of timber or produce.	On hand at commencement of the year.			On hand at close of the year.			Difference in value.	
		Number.	Cubic feet.	Value.	Number.	Cubic feet.	Value.	In favour of the year.	Against the year.
1	2	3	4	5	6	7	8	9	10
	Southern Circle—cont.			RS.			RS.	RS.	RS.
South Malabar.	Teak	..	3,535	3,895	..	59,167	90,000	..	..
	Rosewood ..	..	..		..	1,099		..	..
	Ironwood ..	..	14,391		..	44,657		..	..
	Matti	..	983		..	6,626		..	..
	Hopea	..	164		..	181		..	..
	Miscellaneous ..	..	10,038		..	29,026		..	..
	Total, Timber..	..	29,111	3,895	..	140,756	90,000	86,105	..
	Fuel	..	7,330	383	..	113,877	4,286	3,903	..
	Bamboos ..	2,470	..	100	8,000	..	320	220	..
	Minor produce ..	..	..	..	MDS. 2	..	31	31	..
The Nilgiris.	Teak	..	258	904	..	610	2,135	1,231	..
	Vengai	..	4	6	..	4	6	..	..
	Total, Timber..	..	262	910	..	614	2,141	1,231	..
	Fuel	..	14,577	1,101	..	25,998	2,601	1,500	..
	Minor produce ..	MDS. 38	..	38	MDS. 34	..	187	149	..
North Coimbatore.	Sandalwood ..	..	280	722	..	2,719	27,487	26,765	..
	Vengai	..	2,132	2,132	..	6,090	4,568	2,436	..
	Teak	..	43	43	..	2	2	..	41
	Rosewood ..	..	99	99	..	30	30	..	69
	Karimarudu ..	..	17	14	..	..	..	..	14
	Miscellaneous ..	..	795	1,104	..	2,865	2,149	1,045	..
	Total, Timber ..	..	3,366	4,114	..	11,706	34,236	30,122	..
	Fuel	..	400	44	..	8,570	946	902	..
	Minor produce ..	MDS. 23,000	..	16,751	MDS. 21,705	..	12,520	..	4,231
South Coimbatore.	Ironwood ..	..	455	286	..	658	357	..	..
	Karimarudu ..	..	3,707	2,392	..	2,954	2,298	..	..
	Teak	..	8,731	18,778	..	7,207	18,767	..	..
	Rosewood ..	..	447	923	..	853	1,359	..	..
	White cedar ..	..	251	369	..	1,041	748	..	..
	Vengai	..	..	..	..	2,035	1,845	..	..
	Miscellaneous ..	..	6,733	4,612	..	18,040	11,660	..	..
	Total, Timber ..	..	20,324	27,360	..	32,788	37,034	9,674	..
	Fuel	..	* 68,258	2,091	..	† 35,698	2,539	448	..
	Bamboos ..	..	..	..	179	..	6	6	..
	Minor produce ..	MDS. 308	..	636	MDS. 311	..	870	234	..
Madura ..	Miscellaneous timber ..	..	40	20	..	580	1,739	1,719	..
	Fuel	..	4,715	471	..	4,773	382	..	89
Tinnevelly ..	Miscellaneous timber ..	..	547	251	..	‡ 4,235	3,313	3,062	..
	Fuel	..	3,050	153	..	486	25	..	128
	Bamboos ..	..	..	..	1,773	..	887	887	..

ABSTRACT.

Northern Circle.			RS.			RS.		
Timber	..	26,164	9,832	..	30,196	11,872	2,040	..
Fuel	..	577,309	40,703	..	2,149,438	134,782	94,079	..
Bamboos ..	4,370	..	38	11,764	..	36	..	2
Minor produce ..	MDS. 9,529	..	591	MDS. 12,271	..	3,179	2,588	..

* Revised figure. † Includes 318$\frac{47}{56}$ tons converted into cubic feet at 40 c.ft. a ton.

‡ Exclusive of 3,336 teak poles valued at Rs. 3,262.

Statement showing the value of Timber and other Produce at sale depots, etc.—*cont.*

District.	Description of timber or produce.	On hand at commencement of the year.			On hand at close of the year.			Difference in value.	
		Number.	Cubic feet.	Value.	Number.	Cubic feet.	Value.	In favour of the year.	Against the year.
1	2	3	4	5	6	7	8	9	10
				ABSTRACT—*cont.*					
	Central Circle.			RS.			RS.	RS.	RS.
	Timber	..	9,048	7,697	..	59,219	18,800	11,103	..
	Fuel	..	344,673	23,976	..	524,445	31,375	7,399	..
	Bamboos ..	73,023	..	1,289	194	..	24	..	1,265
		MDS.			MDS.				
	Minor produce ..	5,166	..	1,465	14,894	..	5,456	3,991	..
	Southern Circle.								
	Timber	..	211,032	1,23,569	..	353,567	2,57,824	1,34,255	..
	Fuel	..	98,330	4,243	..	189,402	10,779	6,536	..
	Bamboos ..	17,770	..	910	10,102	..	1,228	318	..
		MDS.			MDS.				
	Minor produce ..	24,028	..	18,925	22,253	..	15,641	..	3,284
				GRAND TOTAL.					
				RS.			RS.	RS.	RS.
	Timbur	..	246,244	1,31,098	..	442,982	2,88,496	1,57,398	..
	Fuel	..	1,020,312	68,922	..	2,863,285	1,76,936	1,08,014	..
	Bamboos ..	95,163	..	2,237	22,060	..	1,288	..	949
		MDS.			MDS.				
	Minor produce ..	38,723	..	20,981	49,418	..	24,276	3,295	..

ANNUAL

SUMMARY of Revenue of the different districts

Budget heads.	Northern Circle					
	Direction.	Ganjám.	Vizagapatam.	Gódávari.	Kistna.	Guntúr.
1	2	3	4	5	6	7
Receipts.	RS.	RS.	RS.	RS.	RS.	RS.
I. Timber and other produce removed from the forests by Government Agency—						
(*a*) Timber	..	1,033	843	87	997	38
(*b*) Firewood and charcoal	..	3,094	10,595	15,076	11,643	4,629
(*c*) Bamboos	..	3,698	114	..	..	..
(*d*) Sandalwood	..	..	..	..	..	..
(*e*) Grass and other minor produce	..	..	543	18	118	881
II. Timber and other produce removed from the forests by consumers or purchasers—						
(*a*) Timber	..	28,029	6,260	* 34,714	8,049	4,085
(*b*) Firewood and charcoal	..	8,732	3,886	11,672	21,700	6,129
(*c*) Bamboos	..	5,302	10,708	56,029	1,296	72
(*d*) Grazing and fodder grass	..	11,436	4,246	15,961	18,799	59,491
(*e*) Other produce	..	3,364	23,006	43,090	13,338	14,300
(*f*) Tree owners' fees	..	503	290	4,956	2,117	3,739
III. Confiscated drift and waifwood	..	277	142	1,828	55	82
IV. Revenue from forests not managed by Government	..	..	..	..	..	..
V. Miscellaneous—						
(*a*) Fines and forfeitures	..	50	..	663	133	33
(*b*) Other sources	26	751	2,236	8,208	1,894	1,127
Total, Receipts	26	66,269	62,869	1,92,302	80,139	94,606

Budget heads.	Central Circle—*cont.*					
	South Arcot.	North Salem.	South Salem.	Trichinopoly.	Tanjore.	Total.
	18	19	20	21	22	23
Receipts.	RS.	RS.	RS.	RS.	RS.	RS.
I. Timber and other produce removed from the forests by Government Agency—						
(*a*) Timber	..	7,218	1,053	..	11	46,761
(*b*) Firewood and charcoal	465	5,274	29,405	55,983	165	1,66,522
(*c*) Bamboos	48	318	13	..	..	404
(*d*) Sandalwood	..	14,767	3,395	..	..	26,085
(*e*) Grass and other minor produce	8	39	116	144	5	4,596
II. Timber and other produce removed from the forests by consumers or purchasers—						
(*a*) Timber	7,441	3,428	4,227	3,022	832	46,672
(*b*) Firewood and charcoal	33,627	7,599	6,878	15,908	12,906	1,61,837
(*c*) Bamboos	3,730	9,843	21,802	1,765	184	72,327
(*d*) Grazing and fodder grass	43,997	35,474	27,587	18,267	768	2,83,871
(*e*) Other produce	33,573	14,110	24,959	14,906	6,485	2,15,789
(*f*) Tree owners' fees	1,896	1,611	320	..	83	24,022
III. Confiscated drift and waifwood	305	124	277	77	8	4,434
IV. Revenue from forests not managed by Government	..	..	..	..	..	..
V. Miscellaneous—						
(*a*) Fines and forfeitures	847	387	772	172	2	3,015
(*b*) Other sources	881	3,650	9,782	6,010	4,077	30,966
Total, Receipts	1,26,818	1,03,842	1,30,586	1,16,254	25,526	10,87,301

MADRAS,
1*st August* 1905.

* On account of North Malabar. RS. 15,798
On account of North Coimbatore 1,489
On account of South Coimbatore 1,834
Total .. 19,121

† On account of Nellore .. RS. 23,005
Do. of North Arcot .. 2,410
Do. of South Salem .. 18,421
Do. of Kistna .. 634
Do. of Vizagapatam .. 1,737
Do. of South Malabar. 1,795
Total .. 48,002

‡ On account of North Arcot. RS. 4
On account of North Coimbatore 1,571
Total .. 1,575

FORM No. 59.

for the Forest year 1904–1905.

Circle.					Central Circle.				
Kurnool, West.	Kurnool, East.	Bellary.	Anantapur.	Total.	Direction.	Nellore.	Cuddapah.	Chingleput.	North Arcot.
8	9	10	11	12	13	14	15	16	17
RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
8,585	3,374	422	2	15,381	* 19,121	493	17,081	..	1,784
8,166	71,164	7,804	14	1,32,185	† 48,002	2,831	6,141	3,914	14,342
75	..	24	..	3,911	..	..	..	25	..
..	..	..	..	..	‡ 1,575	..	..	..	6,348
192	116	1,023	82	2,973	§ 3,085	137	163	185	714
21,373	9,122	7,087	4,995	1,23,714	..	5,837	14,742	3,115	4,028
9,119	3,238	6,710	3,304	74,490	§ 38,671	7,833	10,182	9,741	18,492
16,139	5,373	2,424	285	97,628	..	14	8,774	76	26,139
23,050	29,578	41,748	18,400	2,22,709	.	45,731	67,996	8,612	35,439
13,820	4,979	27,916	35,297	1,79,110	§ 27,780	13,409	47,427	7,785	25,355
21,063	3,628	25,787	12,285	74,368	..	2,642	7,676	2,487	7,307
620	349	212	194	3,759	..	2,431	660	74	478
..	..	..	..	..	..	..	..	..	..
12	..	169	101	1,161	..	29	2	159	645
4,365	2,161	4,427	2,174	27,369	‖ 1,644	2,434	1,305	170	1,013
1,26,579	1,33,082	1,25,753	77,133	9,58,758	¶ 1,39,878	83,821	1,82,149	36,343	1,42,084

Southern Circle.									
Direction.	Nilgiris.	North Coimbatore.	South Coimbatore.	Madura.	Tinnevelly.	North Malabar.	South Malabar.	South Canara.	Total.
24	25	26	27	28	29	30	31	32	33
RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
..	6,261	1,438	45,467	..	3,024	31,159	49,904	8,288	1,45,541
..	11,138	1,123	32,276	67,389	972	..	9,547	2,512	1,24,957
..	..	..	57	..	124	..	502	123	806
..	1,295	31	..	..	..	..	..	..	1,326
..	2,041	15,568	3,901	..	228	1,076	212	12,364	35,390
..	1,476	1,395	5,850	8,215	177	1,832	4,039	3,059	26,043
..	2,530	8,266	11,414	30,697	67,136	49	8	9,255	1,29,355
..	1,188	10,857	8,249	5,377	861	291	633	1,328	28,784
..	9,755	55,425	9,999	29,407	6,579	3,109	47	6,573	1,20,894
..	1,108	9,186	8,493	27,626	30,127	1,682	1,793	17,587	97,602
..	..	..	..	..	..	..	1	3,205	3,206
..	34	233	463	360	1,516	618	216	1,538	4,978
..	..	..	..	..	..	..	..	..	..
1	..	9	317	644	367	1	130	377	1,846
— 35	4,412	5,292	20,515	12,163	2,92	10,311	2,176	5,851	63,607
— 34	41,238	1,08,823	1,47,001	1,81,878	1,14,033	50,128	69,208	72,060	7,84,335

E. S. HENSMAN,
Chief Superintendent.

§ On account of Nellore.

‖ On account of Cuddapah .. 10
Do. of Nellore 1,500
Do. of North Arcot .. 10
Do. of Direction, Central Circle 124
Total .. 1,644

¶ On account of Northern Circle 2,371
On account of Central Circle 1,15,020
On account of Southern Circle 22,487
Total .. 1,39,878

Forest Department, Madras Presidency, Northern Circle.

SUMMARY of Expenditure of the different Districts for the Forest year 1904-1905.

Budget heads.	Direction.	Ganjám.	Vizagapatam.	Gódávari.	Kistna.	Guntúr.	Kurnool, West.	Kurnool, East.	Bellary.	Anantapur.	Total.
	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
I.—REFUNDS AND DRAWBACKS.	..	209	8	745	1,663	1,766	169	150	477	1,018	6,205
A. Conservancy and Works.											
I. Timber and other produce removed from the forests by Government Agency—											
(*a*) Timber	..	937	230	..	536	15	5,792	2,289	1,343	52	11,194
(*b*) Firewood and charcoal ..	..	1,895	8,349	11,142	7,633	6,409	8,684	40,737	12,531	1,777	99,157
(*c*) Bamboos ..	..	2,072	172	..	..	..	795	14	18	..	3,071
(*d*) Sandalwood ..	..	..	..	..	..	..	..	..	..	..	..
(*e*) Grass and other minor produce.	..	..	94	9	143	979	678	2,129	1,333	..	5,365
II. Timber and other produce removed from the forests by consumers or purchasers	..	5,565	4,720	13,403	3,001	3,268	12,536	7,698	4,335	1,625	56,151
III. Confiscated, drift and waifwood	..	43	..	693	..	13	31	49	..	1	830
IV. Revenue from forests not managed by Government	..	..	..	..	..	..	..	..	..	..	..
V. Rent of leased forests and payments to shareholders in forests managed by Government	..	..	400	..	..	..	..	..	10,000	..	10,400
VI. Live-stock, stores, tools and plant—											
(*a*) Purchase of cattle	27	..	..	..	..	..	..	402	1,532	..	1,961
(*b*) Feed and keep of cattle	..	..	603	657	..	..	594	5,338	4,252	— 19	11,425
(*c*) Stores, tools and plant	143	112	37	3,153	1,427	253	2,015	3,304	1,526	301	12,271
VII. Communications and buildings—											
(*a*) Roads and bridges ..	..	321	136	4,215	192	306	14	1,021	376	1,021	7,602
(*b*) Buildings ..	60	4,203	1,186	5,413	250	1,672	5,508	1,623	908	5,150	25,973
(*c*) Other works ..	..	160	20	2,174	1,134	369	..	91	446	1,032	5,426
VIII. Demarcation, improvement and extension of forests—											
(*a*) Demarcation ..	..	922	372	3,062	830	1,943	3,321	1,163	225	1,862	13,700
(*b*) Cost of forest settlement; compensation for land and rights.	..	..	..	74	..	..	353	..	365	40	832
(*c*) Surveys—											
(1) Local ..	— 31	553	..	1,332	728	699	992	..	360	80	4,713
(2) India ..	52,255	..	..	..	..	..	..	..	..	..	52,255
(*d*) Working plans ..	..	80	..	223	..	..	141	..	..	..	444
(*e*) Sowing and planting	2,291	1,027	146	5,386	3,440	1,123	152	14	674	249	14,502
(*f*) Protection from fire	..	3,000	72	7,193	488	53	218	9,542	1,315	1,262	23,143
(*g*) Other works ..	..	1	..	148	2,067	7,374	177	9	4,523	3,593	17,892
IX. Miscellaneous—											
(*a*) Law charges ..	..	..	..	4	..	..	..	5	..	..	9
(*b*) Other charges ..	32	17	309	120	11	12	82	107	67	1	758
Total, A. Conservancy and Works	54,777	21,117	16,854	59,146	23,543	26,254	42,252	75,685	46,606	19,045	3,85,279

MADRAS,
1st *September* 1905.

E. S. HENSMAN,
Chief Superintendent.

Forest Department, Madras Presidency, Central Circle.

Summary of Expenditure of the different Districts for the Forest year 1904–1905—*cont.*

Budget heads.	Direction.	Nellore.	Cuddapah.	Chingleput.	North Arcot.	South Arcot.	North Salem.	South Salem.	Trichinopoly.	Tanjore.	Total.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
I. Refunds and Drawbacks.	..	855	300	156	717	2,607	588	649	274	90	6,236
A. Conservancy and Works.											
I. Timber and other produce removed from the forests by Government Agency—											
(*a*) Timber ..	..	20	11,171	..	664	..	5,215	1,145	..	..	18,215
(*b*) Firewood and charcoal ..	..	15,247	4,961	1,386	11,545	711	4,778	39,319	38,289	19	1,16,255
(*c*) Bamboos ..	..	..	..	11	..	..	368	..	..	..	379
(*d*) Sandalwood ..	..	..	..	..	322	..	823	340	..	..	1,485
(*e*) Grass and other minor produce ..	— 41	1,596	903	43	669	68	224	195	15	..	3,672
II. Timber and other produce removed from the forests by consumers or purchasers ..	..	5,315	15,885	1,411	3,913	2,214	2,802	4,771	2,906	471	39,688
III. Confiscated, drift and waifwood	..	1	76	2	39	..	3	9	3	..	133
IV. Revenue from forests not managed by Government	..	..	..	..	..	..	..	..	..	..	..
V. Rent of leased forests and payments to shareholders in forests managed by Government	..	..	..	..	..	..	..	..	..	..	..
VI. Live-stock, stores, tools and plant—											
(*a*) Purchase of cattle ..	..	..	..	..	..	..	..	..	..	..	..
(*b*) Feed and keep of cattle ..	..	..	..	..	..	..	..	..	..	..	..
(*c*) Stores, tools and plant ..	180	6,638	758	502	83	— 71	400	1,365	582	2	10,439
VII. Communications and buildings—											
(*a*) Roads and bridges ..	..	..	51	226	1,762	179	1,258	534	..	..	4,010
(*b*) Buildings ..	12	3,423	1,565	635	5,127	669	2,764	896	137	29	15,257
(*c*) Other works ..	..	150	993	151	287	8	955	109	28	..	2,681
VIII. Demarcation, improvement and extension of forests—											
(*a*) Demarcation ..	..	603	235	852	99	855	545	366	1,904	21	5,480
(*b*) Cost of forest settlement; compensation for land and rights ..	..	1	8	..	..	..	2,132	3,360	..	..	5,582
(*c*) Surveys—											
(1) Local ..	268	373	360	359	357	231	1,160	785	360	..	4,253
(2) India ..	156	..	..	..	..	..	..	..	..	..	156
(*d*) Working plans.	..	170	4	..	690	..	..	245	..	..	1,109
(*e*) Sowing and planting ..	— 469	11,704	1,163	618	1,344	1,923	179	738	1,266	2,417	20,883
(*f*) Protection from fire	..	1,352	3,663	379	3,154	1,449	904	1,454	145	..	12,500
(*g*) Other works ..	..	1,872	4,001	4,260	8,929	10,038	3,475	5,017	3,572	438	41,602
IX. Miscellaneous—											
(*a*) Law charges ..	..	1	524	8	3	5	..	..	4	..	545
(*b*) Other charges ..	3	135	43	3	11	..	21	170	4	..	390
Total, A. Conservancy and Works	109	49,456	46,745	11,002	39,715	20,886	28,594	61,467	49,489	3,487	3,10,950

MADRAS,
1st September 1905.

E. S. HENSMAN,
Chief Superintendent.

Forest Department, Madras Presidency, Southern Circle.

Summary of Expenditure of the different Districts for the Forest year 1904–1905—*cont.*

Budget heads.	Direction.	The Nilgiris.	North Coimbatore.	South Coimbatore.	Madura.	Tinnevelly.	North Malabar.	South Malabar.	South Canara.	Total.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
I. Refunds and Drawbacks.	..	43	480	599	314	632	117	92	305	2,582
A. Conservancy and Works.										
I. Timber and other produce removed from the forests by Government Agency—										
(*a*) Timber ..	..	5,470	1,486	25,062	..	1,475	15,307	11,851	2,952	63,603
(*b*) Firewood and charcoal ..	..	14,843	1,280	19,268	47,044	209	..	7,099	6,282	96,025
(*c*) Bamboos ..	..	..	..	404	..	7	165	1,435	708	2,719
(*d*) Sandalwood ..	..	194	3,877	..	..	..	..	..	..	4,071
(*e*) Grass and other minor produce.	..	912	13,219	3,370	..	145	655	148	3,335	21,784
II. Timber and other produce removed from the forests by consumers or purchasers ..	..	837	4,063	6,090	3,622	2,266	688	..	5,010	22,576
III. Confiscated, drift and waifwood	..	2	10	105	5	8	...	154	135	419
IV. Revenue from forests not managed by Government	..	..	..	..	..	..	..	..	..	..
V. Rent of leased forests and payments to shareholders in forests managed by Government	..	4,500	..	2,500	..	..	25	4,693	..	11,718
VI. Live-stock, stores, tools and plant—										
(*a*) Purchase of cattle ..	..	443	..	4,320	..	..	2,361	1,340	..	8,464
(*b*) Feed and keep of cattle ..	3	4,907	..	31,589	..	..	9,407	10,425	1,390	57,721
(*c*) Stores, tools and plant ..	1	645	675	2,857	487	495	292	715	526	6,693
VII. Communications and buildings—										
(*a*) Roads and bridges ..	..	2,659	12,176	2,582	4,584	4,756	2,185	901	195	30,038
(*b*) Buildings ..	..	1,519	2,611	5,112	4,890	4,413	4,687	4,515	1,770	29,517
(*c*) Other works ..	..	124	1,015	1,248	277	10	128	1,430	1,352	5,584
VIII. Demarcation, improvement and extension of forests—										
(*a*) Demarcation ..	..	1,674	887	212	3,725	482	4,207	26	2,534	13,747
(*b*) Cost of forest settlement; compensation for land and rights ..	..	..	..	..	1	446	2,975	183	361	3,966
(*c*) Surveys—										
(1) Local ..	9	360	287	1,289	386	360	60	115	841	3,707
(2) India ..	31,704	..	..	..	..	..	..	..	..	31,704
(*d*) Working plans.	205	126	..	..	..	19	..	215	..	565
(*e*) Sowing and planting ..	256	1,490	101	322	184	1,080	3,611	8,377	173	15,594
(*f*) Protection from fire	..	2,381	1,009	2,654	2,720	2,530	3,876	2,504	1,830	19,504
(*g*) Other works ..	..	1,407	5,883	1,406	8,846	4,164	1,677	1,022	66	24,471
IX. Miscellaneous—										
(*a*) Law charges ..	..	..	..	..	..	57	..	2	195	254
(*b*) Other charges ..	434	3,158	142	486	65	102	171	276	64	4,898
Total, A. Conservancy and Works	32,612	47,694	49,201	1,11,475	77,150	23,656	52,594	57,518	30,024	4,81,924

Madras,
1*st September* 1905.

E. S. Hensman,
Chief Superintendent.

Summary of Expenditure of the different Districts for the Forest year 1904–1905.

SUMMARY of Expenditure of the different Districts

Budget heads.	Northern Circle.											Central		
	Direction.	Ganjám.	Vizagapatam.	Gódávari.	Kistna.	Guntúr.	Karnool West.	Karnool East.	Bellary.	Anantapur.	Total.	Direction.	Nellore.	Cuddapah.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
B.—"*Establishments.*"	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Brought forward, Total A "Conservancy and Works."	54,777	21,117	16,854	59,146	23,543	26,254	42,252	75,685	46,606	19,045	3,85,279	109	49,456	46,745
I. Salaries—														
(*a*) Conservators ..	15,485	..	..	..	..	..	..	..	..	..	15,485	23,130	..	..
(*b*) Superior officers..	11,650	8,039	6,436	10,568	4,172	5,578	9,694	5,250	9,815	7,800	79,002	7,300	9,776	8,102
(*c*) Subordinate forest and depot establishments ..	1,224	10,637	5,076	11,340	4,109	5,488	9,234	10,913	8,461	7,407	73,889	3,131	11,535	16,728
(*d*) Office establishments	10,505	3,262	2,573	4,995	2,167	3,050	4,233	3,618	3,283	3,349	41,035	10,300	5,450	4,825
(*e*) Deputation and special allowances	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Exchange compensation allowance	1,146	502	405	488	64	349	457	203	375	412	4,401	1,446	..	507
II. Travelling allowances—														
(*a*) Conservators ..	4,905	..	..	..	..	..	..	..	..	..	4,905	3,392	..	..
(*b*) Superior officers.	3,261	1,407	1,740	2,709	1,059	1,593	2,262	1,719	2,049	2,002	19,801	1,963	1,300	2,173
(*c*) Subordinate forest and depot establishments.	317	2,970	1,511	3,580	1,132	1,654	2,657	3,775	2,048	1,833	21,477	743	3,291	4,218
(*d*) Office establishments	2,528	465	403	1,156	476	562	686	741	623	696	8,336	1,371	768	751
III. Contingencies—														
(*a*) Stationery ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
(*b*) Rents, rates and taxes	407	78	416	282	133	87	146	110	158	88	1,905	369	322	302
(*c*) Official postage.	776	539	313	1,772	702	826	1,144	829	1,058	1,137	9,096	564	627	1,038
(*d*) Service telegrams.	271	40	63	87	18	59	67	80	46	33	764	141	23	79
(*e*) Sundries ..	1,939	719	684	3,015	716	1,013	1,511	1,955	1,328	801	13,861	2,369	1,563	1,585
Total B.—"Establishments".	54,414	28,658	19,620	39,992	14,748	20,259	32,091	29,193	29,244	25,558	2,93,777	56,219	34,655	40,308
Grand Total of Expenditure.	1,09,191	49,775	36,474	99,138	38,291	46,513	74,343	1,04,878	75,850	44,603	6,79,056	56,328	84,111	87,053

MADRAS,
1*st September* 1905.

for the Forest year 1904–1905.

Circle.								Southern Circle.									
Chingleput.	North Arcot.	South Arcot.	North Salem.	South Salem.	Trichinopoly.	Tanjore.	Total.	Direction.	The Nilgiris.	North Coimbatore.	South Coimbatore.	Madura.	Tinnevelly.	North Malabar.	South Malabar.	South Canara.	Total.
16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
11,002	39,715	20,886	28,594	61,467	49,489	3,487	3,10,950	32,612	47,694	49,201	1,11,475	77,150	23,656	52,594	57,518	30,024	4,81,924
..	..	..	..	..	..	..	23,130	16,695	..	48	..	..	..	..	..	..	16,743
4,800	16,154	11,054	4,700	12,524	4,800	..	79,210	8,800	13,665	15,838	11,775	7,800	7,987	11,233	5,687	7,800	90,585
5,889	14,373	10,725	7,393	8,984	8,000	1,772	88,530	2,911	12,100	8,826	13,710	10,957	11,187	7,652	6,172	9,701	83,216
2,039	4,433	4,401	3,060	4,452	2,972	780	42,712	9,217	4,150	4,684	4,381	3,900	3,752	3,607	3,100	4,341	41,132
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
..	698	675	..	645	..	..	3,971	1,280	676	708	579	488	355	634	350	488	5,558
..	..	..	..	..	..	..	3,392	3,278	..	43	— 8	..	..	..	..	..	3,313
679	1,943	923	929	1,337	899	196	12,342	2,903	2,745	3,709	2,460	1,608	1,834	924	905	1,345	18,433
1,279	3,725	2,558	1,847	3,268	2,520	697	24,146	1,271	2,522	2,620	3,640	4,127	2,647	1,966	1,636	2,632	23,061
301	526	582	462	424	348	143	5,676	1,534	172	536	847	907	876	673	347	576	6,468
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
18	167	239	43	25	29	6	1,520	366	350	107	193	83	248	62	76	12	1,497
661	2,068	1,995	1,192	1,031	614	214	10,004	750	375	1,011	810	1,076	964	479	475	1,154	7,094
4	42	20	39	21	15	7	391	172	43	47	76	60	92	82	58	19	649
449	696	647	1,154	717	459	158	9,797	2,041	446	1,976	1,326	1,209	522	1,254	461	745	9,980
16,119	44,825	33,819	20,819	33,428	20,656	3,973	3,04,821	51,218	37,244	40,153	39,789	32,215	30,464	28,566	19,267	28,813	3,07,729
27,121	84,540	54,705	49,413	94,895	70,145	7,460	6,15,771	83,830	84,938	89,354	1,51,264	1,09,365	54,120	81,160	76,785	58,837	7,89,653

E. S. Hensman,
Chief Superintendent.

SUMMARY of Receipts and Expenditure during 1904–1905 for each circle and for the presidency compiled in the Board's office from the Accountant-General's statement.

Budget heads.	Northern Circle.	Central Circle.	Southern Circle.	Grand Total, Presidency.	
				1904–1905.	1903–1904.
1	2	3	4	5	6
RECEIPTS.	RS.	RS.	RS.	RS.	RS.
I. Timber and other produce removed from the forests by Government Agency—					
(a) Timber	15,381	27,640	* 1,64,810	2,07,831	1,55,694
(b) Firewood and charcoal	1,34,556	1,62,356	1,26,752	4,23,664	3,62,595
(c) Bamboos	3,911	404	806	5,121	3,930
(d) Sandalwood	..	24,514	2,897	27,411	67,018
(e) Grass and other minor produce	2,973	4,596	35,390	42,959	47,184
Total, I	1,56,821	2,19,510	3,30,655	7,06,986	6,36,421
II. Timber and other produce removed from the forests by consumers or purchasers—					
(a) Timber	1,23,714	46,672	26,043	1,96,429	2,09,009
(b) Firewood and charcoal	74,490	1,61,837	1,29,355	3,65,682	3,78,233
(c) Bamboos	97,628	72,327	28,784	1,98,739	1,76,838
(d) Grazing and fodder grass	2,22,709	2,83,871	1,20,894	6,27,474	6,07,400
(e) Other produce	1,79,110	2,16,061	97,330	4,92,501	4,47,532
(f) Tree-owners' fees	74,368	24,022	3,206	1,01,596	89,786
Total, II	7,72,019	8,04,790	4,05,612	19,82,421	19,08,798
III. Confiscated drift and waifwood	3,759	4,434	4,978	13,171	15,351
V. Miscellaneous—					
(a) Fines and forfeitures	1,161	3,015	1,846	6,022	6,162
(b) Other sources	27,369	30,966	63,607	1,21,942	1,23,839
Total, V	28,530	33,981	65,453	1,27,964	1,30,001
Grand Total, Receipts	9,61,129	10,62,715	8,06,698	28,30,542	26,90,571
EXPENDITURE.					
I. Refunds and drawbacks	6,205	6,236	2,582	15,023	27,201
A.—Conservancy and Works.					
I. Timber and other produce removed from the forests by Government Agency—					
(a) Timber	11,194	18,215	63,603	93,012	58,840
(b) Firewood and charcoal	99,157	1,16,255	96,025	3,11,437	2,09,349
(c) Bamboos	3,071	379	2,719	6,169	3,575
(d) Sandalwood	..	1,485	4,071	5,556	13,162
(e) Grass and other minor produce	5,365	3,672	21,784	30,821	30,519
Total, A-I	1,18,787	1,40,006	1,88,202	4,46,995	3,15,445
II. Timber and other produce removed from the forests by consumers or purchasers	56,151	39,688	22,576	1,18,415	1,10,253
III. Confiscated drift and waifwood	830	133	419	1,382	1,125
V. Rent of leased forests and payments to shareholders in forests managed by Government	10,400	..	11,718	22,118	22,457
VI. Live-stock, stores, tools and plant—					
(a) Purchase of cattle	1,961	..	8,464	10,425	9,004
(b) Feed and keep of cattle	11,425	..	57,721	69,146	48,741
(c) Stores, tools and plant	12,271	10,439	6,693	29,403	19,474
Total, A-VI	25,657	10,439	72,878	1,08,974	77,219
VII. Communications and buildings—					
(a) Roads and bridges	7,602	4,010	30,038	41,650	42,265
(b) Buildings	25,973	15,257	29,517	70,747	45,770
(c) Other works	5,426	2,681	5,584	13,691	11,032
Total, A-VII	39,001	21,948	65,139	1,26,088	99,067
VIII. Demarcation, improvement and extension of forests—					
(a) Demarcation	13,700	5,480	13,747	32,927	24,036
(b) Cost of forest settlement, compensation for land and rights	832	5,582	3,966	10,380	3,738
(c) (1) Local surveys	4,713	4,253	3,707	12,673	14,221
(c) (2) Surveys of India	52,255	156	31,704	84,115	70,033
(d) Working plans	444	1,109	565	2,118	1,878
(e) Sowing and planting	14,502	20,883	15,594	50,979	40,572
(f) Protection from fire	23,143	12,500	19,504	55,147	44,330
(g) Other works	17,892	41,602	24,471	83,965	78,085
Total, A-VIII	1,27,481	91,565	1,13,258	3,32,304	2,76,893

* Includes a sum of Rs. 100 remitted into the Presidency treasury, Bangalore, and a sum of Rs. 48 adjusted by the Accountant-General as per his ACX–195, dated 12th January 1905, and not intimated to Conservator, Central Circle.

Summary of Receipts and Expenditure during 1904–1905 for each circle and for the presidency compiled in the Board's office from the Accountant-General's statement—*cont.*

Budget heads.	Northern Circle.	Central Circle.	Southern Circle.	Grand Total, Presidency.	
				1904–1905.	1903–1904.
1	2	3	4	5	6
EXPENDITURE—*cont.*					
A.—Conservancy and Works—cont.	Rs.	Rs.	Rs.	Rs.	Rs.
IX. Miscellaneous—					
(*a*) Law charges	9	545	254	808	1,156
(*b*) Other charges	758	390	4,898	6,046	6,905
Total, A-IX ..	767	935	5,152	6,854	8,061
Total, A.—Conservancy and Works inclusive of refunds.	3,85,279	3,10,950	4,81,924	11,78,153	9,37,721
B.—Establishments.					
I. Salaries—					
(*a*) Conservators	15,485	23,130	16,743	55,358	52,064
(*b*) Superior officers	79,002	79,210	90,585	2,48,797	2,32,238
(*c*) Subordinate forest and depot establishments.	73,889	88,530	83,216	2,45,635	2,38,438
(*d*) Office establishments	41,035	42,712	41,132	1,24,879	1,17,950
(*e*) Deputation and special allowances	..	..	..	..	771
(*f*) Exchange compensation allowance	4,401	3,971	5,558	13,930	12,402
Total, B-I ..	2,13,812	2,37,553	2,37,234	6,88,599	6,53,863
II. Travelling allowances—					
(*a*) Conservators	4,905	3,392	3,313	11,610	9,383
(*b*) Superior officers	19,801	12,342	18,433	50,576	47,217
(*c*) Subordinate forest and depot establishments.	21,477	24,146	23,061	68,684	67,454
(*d*) Office establishments	8,336	5,676	6,468	20,480	19,611
Total, B-II ..	54,519	45,556	51,275	1,51,350	1,43,665
III. Contingencies—					
(*a*) Stationery	..	..	..	..	..
(*b*) Rents, rates and taxes	1,905	1,520	1,497	4,922	3,531
(*c*) Official postage	9,096	10,004	7,094	26,194	24,599
(*d*) Service telegrams	764	391	649	1,804	1,729
(*e*) Sundries	13,681	9,797	9,980	33,458	27,317
Total, B-III ..	25,446	21,712	19,220	66,378	57,176
Total, B.—Establishments ..	2,93,777	3,04,821	3,07,729	9,06,327	8,54,704
Grand Total, Expenditure ..	6,79,056	6,15,771	7,89,653	20,84,480	17,92,425
Surplus ..	2,82,073	4,46,944	17,045	7,46,062	8,98,146
Total ..	9,61,129	10,62,715	8,06,698	28,30,542	26,90,571

ANNUAL FORM No. 60.

Forest Department, Madras Presidency.

OUTSTANDINGS and Liabilities on account of Contractors and Disbursers for the Forest year 1904–1905.

	District.	Department Debtor.			Department Creditor.			Balance Due	
		At commencement of year.	Recoveries in cash and value of supplies and work done during the year.	At close of year.	At commencement of year.	Payments made during year.	At close of year.	To department (outstandings).	By department (liabilities).
			RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	
Northern Circle.	Conservator, Northern Circle	..	3,558 2 3	3,558 2 3	84 7 4	3,510 6 4	3,594 13 8	36 11 5	..
	Forest Settlement-officer, Kistna, etc., districts	..	353 0 8	353 0 8	45 1 11	340 9 3	385 11 2	32 10 6	..
	Working Plans Officer, Northern Circle	..	370 2 4	370 2 4	322 14 1	47 4 3	370 2 4	..	..
	Ganjám	..	39,618 10 3	39,618 10 3	689 13 2	39,948 11 6	40,638 8 8	1,019 14 5	..
	Vizagapatam	..	25,866 15 7	25,866 15 7	309 13 5	26,127 13 10	26,437 11 3	570 11 8	..
	Gódávari	..	93,452 12 3	93,452 12 3	2,826 3 9	93,871 13 9	96,698 1 6	3,245 5 3	..
	Kistna	..	38,475 2 9	38,475 2 9	1,599 10 4	37,486 0 11	39,085 11 3	610 8 6	..
	Guntúr	..	36,450 13 2	36,450 13 2	..	38,458 10 8	38,458 10 8	2,007 13 6	..
	Kurnool West	..	66,924 1 6	66,924 1 6	5,056 2 3	64,923 0 9	1,76,100 9 5	3,055 1 6	..
	Kurnool East	..	1,01,544 6 8	1,01,544 6 8		1,06,121 6 5		4,576 15 9	..
	Bellary	..	62,646 9 8	62,646 9 8	954 4 5	63,642 0 11	64,596 5 4	1,949 11 8	..
	Anantapur	..	36,530 13 4	36,530 13 4	391 14 11	37,071 6 6	37,463 5 5	932 8 1	..
	Total	..	5,05,791 10 5	5,05,791 10 5	12,280 5 7	5,11,549 5 1	5,23,829 10 8	18,038 0 3	..
Central Circle.	Conservator, Central Circle	..	2,002 6 0	2,002 6 0	29 10 6	2,011 15 6	2,041 10 0	39 4 0	..
	Forest Settlement-officer, Coimbatore, etc., districts	..	15 5 0	15 5 0	15 5 0	..	15 5 0	..	..
	Working Plans Officer, Central Circle	..	331 0 11	331 0 11	30 2 1	300 14 10	331 0 11	..	..
	Nellore	..	60,876 12 6	60,876 12 6	1,374 2 8	60,039 13 7	61,414 0 3	537 3 9	..
	Cuddapah	..	73,556 8 9	73,556 8 9	1,293 15 5	74,311 3 4	75,605 2 9	2,048 10 0	..
	Chingleput	..	19,220 14 4	19,220 14 4	334 15 8	19,276 1 4	19,611 1 0	390 2 8	..
	North Arcot	..	81,534 2 3	81,534 2 3	2,301 3 0	81,390 7 2	83,691 10 2	2,157 7 11	..
	South Arcot	..	44,359 13 4	44,359 13 4	1,039 0 4	43,934 7 0	44,973 7 4	613 10 0	..
	North Salem	..	45,746 12 11	45,746 12 11	1,064 8 8	46,735 4 11	47,799 13 7	2,053 0 8	..
	South Salem	..	84,074 0 3	84,074 0 3	3,275 13 7	83,745 9 3	87,021 6 10	2,947 6 7	..
	Trichinopoly	..	37,123 15 11	37,123 15 11	2,048 6 4	36,443 7 3	38,491 13 7	1,367 13 8	..
	Tanjore	..	6,887 1 5	6,887 1 5	52 15 5	6,849 11 6	6,902 10 11	15 9 6	..
	Total	..	4,55,728 13 7	4,55,728 13 7	12,860 2 8	4,55,038 15 8	4,67,899 2 4	12,170 4 9	..
Southern Circle.	Conservator, Southern Circle	..	2,254 3 2	2,254 3 2	64 13 4	2,235 4 1	2,300 1 5	45 14 3	..
	Working Plans Officer, Southern Circle	..	201 12 0	201 12 0	..	352 14 1	352 14 1	151 2 1	..
	The Nilgiris	..	65,958 4 3	65,958 4 3	1,758 4 1	67,846 13 1	69,605 1 2	3,646 12 11	..
	North Coimbatore	..	94,576 3 2	94,576 3 2	4,183 10 1	93,863 5 6	98,046 15 7	3,470 12 5	..
	South Coimbatore	..	1,38,468 4 9	1,38,468 4 9	2,122 4 2	1,38,821 4 9	1,40,943 8 11	2,475 4 2	..
	Madura	..	69,928 6 3	69,928 6 3	2,325 14 9	70,129 9 1	72,455 7 10	2,527 1 7	..
	Tinnevelly	..	49,939 8 5	49,939 8 5	1,431 13 2	50,053 3 1	51,485 0 3	1,545 7 10	..
	North Malabar	..	66,824 13 3	66,824 13 3	1,304 4 1	67,744 11 5	69,048 15 6	2,224 2 3	..
	South Malabar	..	68,703 1 2	68,703 1 2	1,297 2 4	69,019 14 0	70,317 0 4	1,613 15 2	..
	South Canara	..	48,212 6 6	48,212 6 6	577 12 0	48,487 8 10	49,065 4 10	852 14 4	..
	Forest Training School, Coimbatore	..	173 0 0	173 0 0	..	250 0 0	250 0 0	77 0 0	..
	Total	..	6,05,239 14 11	6,05,239 14 11	15,065 14 0	6,08,804 7 11	6,23,870 5 11	18,630 7 0	..
	Grand total	..	15,66,760 6 11	15,66,760 6 11	40,206 6 3	15,74,392 12 8	16,15,599 2 11	48,838 12 0	..

MADRAS,
1st September 1905.

E. S. HENSMAN,
Chief Superintendent.

ANNUAL FORM No. 61.

Forest Department, Madras Presidency.

REVENUE received and Outstandings on account of Revenue during the Forest year 1904–1905.

District.	Particulars.	Outstandings at commencement of year.	Value of sales and other revenue during year.	Total.	Amount realized during year.	Outstandings at the end of year.
		RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.
Northern Circle.						
Direction	Timber and other forest produce.	..	26 0 0	26 0 0	26 0 0	..
Ganjám	Do. do.	80 5 4	66,350 10 8	66,431 0 0	66,269 0 0	162 0 0
Vizagapatam	Do. do.	450 0 0	63,216 12 0	63,666 12 0	62,869 0 0	797 12 0
Gódávari	Do. do.	3,112 0 3	1,92,853 15 1	1,95,965 15 4	1,92,302 0 0	3,663 15 4
Kistna	Do. do.	229 9 3	80,701 4 1	80,930 13 4	80,139 0 0	791 13 4
Guntúr	Do. do.	189 4 0	1,00,470 12 6	1,00,660 0 6	94,606 0 0	6,054 0 6
Kurnool, East	Do. do.	4,263 7 3	1,29,433 8 9	1,33,697 0 0	1,33,082 0 0 (a)+ 615 0 0	..
Kurnool, West	Do. do.	6,912 14 0	1,20,203 14 10	1,27,116 12 10	1,26,579 0 0	537 12 10
Bellary	Do. do.	10,256 5 6	1,20,675 0 0	1,30,931 5 6	1,25,753 0 0	5,178 5 6
Anantapur	Do. do.	9,605 3 0	80,870 8 0	90,475 11 0	77,133 0 0 (b)+ 280 3 0	13,062 8 0
	Total ..	35,099 0 7	9,54,802 5 11	9,89,901 6 6	* 9,58,758 0 0 + 895 3 0	30,248 3 6
Central Circle.						
Direction	Timber and other produce.	..	124 0 0	124 0 0	124 0 0	..
Cuddapah	Do. do.	11,952 2 1	1,78,467 9 5	1,90,219 12 0	1,82,159 0 0	8,060 12 0
Nellore	Do. do.	(c)— 199 15 6 14,861 0 8	1,84,769 11 11	1,99,515 3 0	1,77,862 0 0	21,653 3 0
Chingleput	Do. do.	(d)— 115 9 7 4,674 4 8	33,790 10 10	38,384 15 6	36,343 0 0	2,041 15 6
North Arcot	Do do.	(e) — 80 0 0 19,010 8 5	1,38,683 10 9	1,57,190 3 2	1,44,508 0 0	12,624 3 2
South Arcot	Do. do.	(f)— 504 0 0			(g)+ 58 0 0	
Tanjore	Do. do.	7,204 4 4	1,29,131 0 0	1,36,335 4 4	1,26,818 0 0	9,517 4 4
Trichinopoly	Do. do.	2,216 5 9 6,119 5 8	24,832 2 9 1,15,274 15 6	27,098 8 6 1,21,386 13 11	25,526 0 0 1,16,254 0 0	1,572 8 6 5,132 13 11
North Salem	Do. do.	(d)— 7 7 3 5,800 15 0	1,05,655 3 8	1,11,456 2 8	1,03,842 0 0	7,614 2 8
South Salem	Do. do.	11,036 12 6	1,42,193 8 8	1,53,230 5 2	1,49,007 0 0 (h)+ 19 0 0	4,204 5 2
Southern Circle.	Total ..	82,875 11 1 — 907 0 4	10,52,972 9 6 (n)+272 0 0	11,34,941 4 3 + 272 0 0	† 1,062,715 0 0 + 77 0 0	72,421 4 3
Direction	Timber and other forest produce.	..	— 34 0 0	— 34 0 0	— 34 0 0	..
South Canara	Do. do.	17,322 1 6	61,665 5 0	78,984 11 6	72,060 0 0	6,924 11 6
North Malabar	Do. do.	(i) — 2 11 0 1,743 7 0	57,194 14 2	58,938 5 2	50,128 0 0	8,810 5 2
South do.	Do. do.	5,929 0 7	69,709 13 5	75,626 3 0	69,208 0 0	6,418 3 0
The Nilgiris	Do. do.	(j)— 12 11 0 1,633 15 4	43,521 3 4	45,155 2 8	41,238 0 0	3,917 2 8
North Coimbatore ..	Do. do.	2,993 13 0	1,05,905 1 7	1,08,866 6 7	1,08,823 0 0	43 6 7
South do. ..	Do. do.	(k)— 32 8 0 18,156 6 8	1,44,538 13 1	1,62,050 3 1	1,47,001 0 0	15,049 3 1
Madura	Do. do.	(l)— 645 0 8 2,963 7 5	1,83,037 2 9	1,86,000 10 2	1,81,878 0 0	4,122 10 2
Tinnevelly	Do. do.	13,589 12 6	1,18,542 13 0	1,32,132 9 6	1,14,033 0 0 (m)+ 105 0 0	17,994 9 6
	Total ..	64,332 0 0 — 692 14 8	7,84,081 2 4 (n)—124 0 0	8,47,720 3 8 — 124 0 0	‡ 7,84,211 0 0 + 105 0 0	63,280 3 8
	Grand Total ..	1,82,306 11 8 —1,599 15 0	27,91,856 1 9 (n) + 148 0 0	29,72,562 14 5 + 148 0 0	28,05,684 0 0 +1,077 3 0	1,65,949 11 5

* Exclusive of the amounts of Rs. 634 and Rs. 1,737 realized in the Central Circle on account of Kistna and Vizagapatam, respectively under I (*b*).

† Exclusive of the amounts of Rs. 2,371 and Rs. 22,487 realized in the Circle on account of the Northern and Southern Circles.

‡ Exclusive of the amount of Rs. 22,487 realized in the Central Circle.

(*a*) Written off under Govt. Order, No. 864, Rev., dated 9th August 1904.

(*b*) Do. do. No. 138 ,, ,, 15th February 1905. (*c*) Erroneous demand.

(*d*) Demand reduced as per actual quantity removed or supplied. (*e*) Cancellation of contract.

(*f*) Remission of revenue sanctioned in Board's Proceedings, Forest No. 672, dated 5th August 1904.

(*g*) Written off in Govt. Order, No. 161, dated 9th February 1904, communicated in Board's Proceedings, No. 28 (Land Revenue), dated 16th February 1904.

(*h*) Written off in Govt. Order, No. 864, dated 9th August 1904, communicated in Board's Proceedings, No. 172, dated 16th August 1904.

(*i*) Collected in the previous year but erroneously credited to land revenue to wrong heads of service.

(*j*) Remission of lease amount of Beypore cocoanut tope on account of fallen trees.

(*k*) This amount was ordered to be recovered from a Forester on account of deficit of weight of sandalwood. As the Forester's services were dispensed with the demand was withdrawn.

	RS. A. P.
(*l*) Deduction on account of excess demand	63 12 8
Withdrawal of contracts	581 4 0
Total ..	645 0 8

(*m*) Written off the accounts under Government Order, No. 489, Revenue, dated 13th May 1904. (*n*) *Vide* foot-note in Form No. 62.

ANNUAL FORM No. 62.

Forest Department, Madras Presidency.

FINANCIAL Results of the year 1904–1905.

Districts.	Timber and other produce removed from the forests by Government Agency.		Other revenue.		Formation, protection and improvement of forests.	Total.	
	Receipts.	Charges.	Receipts.	Charges.	Charges.	Receipts.	Charges.
Northern Circle.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
Ganjám	7,825	7,374	58,447	24,008	23,552	66,272	54,934
Vizagapatam	12,095	10,144	50,777	18,211	21,210	62,872	49,565
Gódávari	*17,009	12,872	1,75,296	56,959	39,949	1,92,305	1,09,780
Kistna	12,758	8,865	67,384	16,209	17,248	80,142	42,322
Guntúr	5,548	7,948	89,061	19,594	22,899	94,609	50,441
Kurnool, East	74,654	47,497	58,431	34,665	25,976	1,33,085	1,08,138
Kurnool, West	17,018	17,824	1,09,564	39,529	23,938	1,26,582	81,291
Bellary	9,273	18,215	1,16,483	35,758	28,501	1,25,756	82,474
Anantapur	98	2,200	77,037	26,813	18,843	77,135	47,856
Total ..	1,56,278	1,32,939	8,02,480	2,71,746	2,22,116 † + 52,255	‡ 9,58,758	6,26,801 + 52,255
Central Circle.							
Cuddapah	23,385	21,333	1,58,774	47,520	29,164	1,82,159	98,017
Nellore	29,551	26,935	1,48,435	24,187	37,516	1,77,986	88,638 § 250
Chingleput	4,124	2,687	32,219	13,812	13,282	36,343	29,781
North Arcot	25,602	17,639	1,18,906	37,926	36,706	1,44,508	92,271
South do.	521	4,586	1,26,297	25,752	30,208	1,26,818	60,546
North Salem	27,616	18,415	76,226	16,771	19,271	1,03,842	54,457
South do.	52,403	49,433	96,604	24,526	27,335	1,49,007	1,01,294
Trichinopoly	56,127	40,550	60,127	18,307	16,646	1,16,254	75,503
Tanjore	181	468	25,345	4,087	4,223	25,526	8,778
Total ..	2,19,510	1,82,046	8,42,933 (a) + 272	2,12,888	2,14,351	10,62,443 + 272	6,09,535 ‖ + 6,236
Southern Circle.							
South Canara	23,287	19,605	48,768	11,763	42,717	72,055	74,085
North Malabar ..	32,235 + 15,946	35,378	17,888	1,375	69,059	50,123 + 15,946	1,05,812
South do. ..	60,165 + 1,795	38,904	9,039	551	42,777	69,204 + 1,795	82,232
The Nilgiris	20,735	35,463	20,499	5,552	49,935	41,234	90,950
North Coimbatore	18,160 + 3,060	40,180	90,659	8,091	51,359	1,08,819 + 3,060	99,630
South do.	81,701 + 1,834	97,663	65,296 (a) — 272	17,688	46,531	1,46,997 + 1,562	1,61,877
Madura	67,389	54,485	1,14,485	8,103	54,484	1,81,874	1,17,072
Tinnevelly	4,348	6,166	1,09,681	6,552	45,277	1,14,029	57,995
Total ..	3,08,020 + 22,635	3,27,844	4,76,315 (a) — 272	59,670	4,02,139	7,84,335 ¶ + 22,363	7,89,653
Grand Total ..	6,83,808 + 22,635	6,42,829	2,121,728	5,44,304	8,90,861	28,05,536 + 22,635	20 84,480

* Includes a sum of Rs. 1,828 realized under III. † Survey of India charges.

‡ This includes Rs. 26 realized under Direction under AVI (*c*) and excludes Rs. 2,371 realized in the Central Circle on account of Kistna and Vizagapatam under I (*b*).

§ Added as per Accountant-General's revised figures under AVII (*b*).

‖ Refunds and drawbacks.

¶ (1) Revenue realized in the Central Circle :—

	RS.	RS.
North Malabar I (*a*)	15,798	
North Coimbatore I (*a*)	1,488	
Do. do. (*d*)	1,571	
South Coimbatore I (*a*)	1,834	
South Malabar	1,795	
		22,487
(2) Remitted into the Residency Treasury, Bangalore	100	
Adjusted by the Accountant-General in his Ac.X./195 dated 12th January 1905, and not intimated to Conservator Central, Circle	48	
		148
		22,635
Deduct amount collected in Southern Circle on account of Central Circle		272
		22,363

(*a*) Seigniorage on stones collected in South Coimbatore on account of South Salem.

ANNUAL FORM No. 63.

Forest Department, Madras Presidency.

STATEMENT of Elephants during the year 1904-1905.

PART I.

Elephants in possession of the Reporting Officers throughout the year.

District.	Names.	When purchased or otherwise obtained by Government.	Cost of monthly keep, including servants and food.	
1	2	3	4	
				RS. A. P.
Vizagapatam ..	Ethel	Transferred from the Southern Circle on 3rd December 1897.	Per head ..	50 0 0
Gódávari ..	Surat Pari ..	Purchased in November 1894 at Sonepur fair.	Do. ..	54 12 4
Kurnool	Byragi Piari ..			45 13 0
South Canara ..	1. Mohideen Khan	Transferred from North Malabar on 3rd September 1897.	Do. ..	43 10 4
	2. Padmini ..			41 4 2
	3. Chamundi	Transferred from North Malabar on 10th September 1900.		30 11 0
North Malabar ..	1. Peri	Captured in April 1889 ..	Do. ..	64 9 11
	2. Jhelam	Do. in June 1902 ..		41 6 6
	3. Dost-i-Jehan	Born in February 1902		25 5 11
	4. Kalyani	Purchased in October 1889 ..		44 3 10
	5. Sivajee	Captured in February 1900 ..		47 12 3
	6. Phyllis	Purchased in January 1878 ..		57 7 11
South Malabar ..	1. Vixen	Transferred from Wynaad in 1882 ..	Do. ..	46 13 7
	2. Peyru	Do. in 1888 ..		
	3. Maharajan			
	4. Nurmahal	Transferred from Wynaad in November 1898.		
	5. Samson	Purchased from Mr. Morgan in 1885 ..		
	6. Theebaw	Captured in January 1886		
	7. Juno	Do. in February 1886		
	8. Jupiter	Do. in January 1887		
	9. Gordon	Do. in February 1889		
	10. Tippu	Do. in February 1893		
	11. Lydia	Transferred from Military Department in April 1903.		
	12. Cheman Pyree			
	13. Mayo	Captured in April 1904		
	14. Bhagavathi	Do. in June 1904		
The Nilgiris ..	1. Big Lakshmi ..	Transferred from the Anamalais on 30th January 1882	Do. ..	38 9 3
	2. Chinna Lakshmi			
	3. Nilambur Lakshmi ..	Purchased in September 1894		
	4. Jampyara	Transferred from Nilambur on 23rd June 1903.		
	5. Bessie (calf)	Born on 3rd July 1899		
	6. Jessie	Do. on 20th October 1903		
South Coimbatore.	1. Lala Meah	Transferred from North Malabar on 20th June 1902.	Do. ..	47 10 8
	2. Akbar Baksh	Transferred from the Nilgiris on 25th July 1899.		
	3. Karthiyayini ..	Transferred from South Malabar in August 1888.		
	4. Seeta	Transferred from North Malabar on 20th June 1902.		
	5. Parvati	Transferred from Public Works Department on 3rd April 1901.		
	6. Zehara	Transferred from the Nilgiris on 25th July 1899.		
	7. Kunjunni	Transferred from Public Works Department on 3rd April 1901.		
	8. Bakto	Transferred from North Malabar on 20th June 1902.		
	9. Nurjehan	Transferred from North Malabar on 26th June 1903.		
	10. Dodamari	Do. ..		
	11. Sutlej	Transferred from North Malabar on 20th December 1903.		
	12. Kitti	Captured on 30th September 1903 ..		

Statement of Elephants during the year 1904–1905—*cont.*

Part II.

Elephants received in the year.

District.	Names.	When purchased or otherwise obtained by Government.	Cost of keep, including servants and food.		Remarks.
1	2	3	4		5
				Rs. A. P.	
North Malabar.	1. Port Arthur ..	Captured in February 1905.	..	218 7 6	....
	2. Kesavan ..		..	272 0 9	....
	3. Kuroki ..		..	252 6 0	....
	4. Hanuman ..		..	246 15 3	....
	5. Nethravathi ..		..	247 2 7	....
	6. Borneo	Born in January 1905 of Peri.	..	..	....
	7. Togo	Captured in June 1905 ..	..	7 15 1	....
South Malabar.	1. Ella	Captured in January 1905 ..	..	144 1 6	....
	2. Krishna ..	Transferred temporarily from the North Malabar Forest division.	..	161 3 4	....
	3. Nadir Shah ..		..	155 13 4	....
	4. Abdul Rahiman.		..	146 9 5	....
	5. Isabella ..		..	155 9 6	....
	6. Emily		..	136 11 5	....
	7. Meenatchi ..		..	165 1 4	....
	8. Jamna ..		..	129 14 5	....
The Nilgiris.	1. Ravi	Transferred from Anamalais on 15th March 1905.	..	231 3 7	....
	2. Beas		..	251 5 7	....
South Coimbatore.	1. Loo	Transferred from North Malabar on 8th Aug. 1904.	..	464 0 5	....
	2. Kunhiraman..		..	484 9 7	....
	3. Eva		..	540 9 1	....
	4 Hercules ..		..	541 13 4	....
	5. Bob	Captured on 14th Aug. 1904.	..	427 1 6	....
	6. Phyllis ..	Do. on 12th do.	..	427 15 10	....
	7. Marudu ..	Do. on 14th do.	..	441 9 6	....
	8. Lakshmi II ..	Do. on 13th do.	..	376 8 5	....
	9. Meenatchi II.	Do. on 13th do.	..	368 2 5	....
	10. Teku	Do. on 12th do.	..	145 10 5	....
	11. Good luck ..	Do. on 10th do.	..	69 3 7	....
	12. Cow calf ..	Do. on 27th Sept. 1904.	..	31 4 1	....

Part III.

Elephants gone off the list during the year.

District.	Names.	When purchased or otherwise obtained by Government.	Cost of keep, including servants and food.		How disposed of.
1	2	3	4		5
				Rs. A. P.	
North Malabar.	1. Timur	Captured in May 1904 ..	..	84 11 7	Sold on 2nd Nov. 1904.
	2. Chakravarthini.	Do. in March 1898 ..	..	359 12 6	Died on 20th Feb. 1905.
	3. Baker Ali ..	Do. in February 1903.	..	307 10 2	Do. on 12th do.
	4. Krishna ..	Do. in March 1896 ..	..	480 7 10	Transferred temporarily to South Malabar.
	5. Isabella ..	Do. in February 1898.	..	408 2 5	
	6. Abdul Rahiman.	Do. in April 1900 ..	..	382 5 9	
	7. Emily	Do. in June 1899 ..	..	369 6 10	
	8. Meenatchi ..	Transferred from the Nilgiris in July 1899.	..	383 0 9	
	9. Nadir Shah ..	Captured in March 1900 ..	..	399 8 0	
	10. Jamna	Do. in June 1903 ..	..	424 8 10	
South Malabar.	1. Eva	Purchased in 1885	..	51 0 7	Transferred to South Coimbatore in July 1904.
	2. Loo	Captured in April 1890 ..	..	41 8 5	
	3. Hercules ..	Do. in December 1890.	..	50 5 1	
	4. Kunhiraman ..	Do. in February 1900.	..	38 5 7	
	5. Empress	Transferred from the Military Department.	..	6 0 9	Died in July 1904.
The Nilgiris.	Begum	Transferred from Nilambur on 23rd June 1903.	..	282 15 2	Died on 29th December 1904.
South Coimbatore.	1. Ravi	Transferred from North Malabar on 20th Dec. 1903.	..	226 3 10	Transferred to the Nilgiris on 22nd January 1905.
	2. Beas		..	190 13 5	
	3. Shah Jehan ..	Transferred from North Malabar on 20th June 1902.	..	280 15 2	Died on 5th January 1905.
	4. Sirdar	Captured on 17th July 1903.	..	368 8 9	Died on 26th Jan. 1905.
	5. Rani	Do. on 18th Aug 1903.	..	483 3 0	Do. on 1st June 1905.
	6. Teku	Do. on 12th do. 1904.	..	145 10 5	Do. on 16th Jan. 1905.
	7. Good luck ..	Do. on 10th do. 1904.	..	69 3 7	Sold on 31st Oct. 1904.
	8. Cow calf ..	Do. on 27th Sept. 1904.	..	31 4 1	

FORM No. 64.

ABSTRACT showing the Value of Live-stock, Stores, Tools and Plant for 1904–1905.

ANNUAL FORM

Forest Department,

ABSTRACT showing the Value of Live-stock,

Districts.	Surveying, etc., instruments				Tools			
	On hand at the commencement of the year.		On hand at the close of the year.		On hand at the commencement of the year.		On hand at the close of the year.	
	Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.
1	2	3	4	5	6	7	8	9
Northern Circle.		RS.		RS.		RS.		RS.
Direction	45	580	49	493	11	3	12	7
Ganjám	73	735	85	880	480	504	350	577
Negapatam	38	800	38	797	249	87	259	89
Gódávari	133	619	126	594	1,130	2,048	1,144	2,060
Kistna	39	565	39	529	170	406	188	497
Guntúr	41	1,188	53	1,365	232	231	250	428
Kurnool East	39	113	87	1,021	800	1,527	1,120	2,052
do. West	127	665	127	576	596	631	619	637
Bellary	172	402	178	385	393	717	433	1,249
Anantapur	51	240	51	294	258	316	372	443
Total, Northern Circle ..	758	5,907	833	6,934	4,319	6,470	4,747	8,039
Central Circle.								
Direction	51	842	58	1,145	6	9	6	8
Cuddapah	115	803	118	878	444	649	407	653
Nellore	103	1,140	103	1,051	5,679	1,561	5,810	1,621
Chingleput	48	475	49	511	546	590	599	651
North Arcot	184	1,216	180	1,114	1,970 Cwt. 33	2,418	2,074 Cwt. 33	2,519
South do.	91	871	90	685	142	25	76	35
North Salem	77	617	96	814	659	567	657	744
South do.	109	1,254	113	1,212	884	903	952	1,207
Trichinopoly	48	197	49	486	235	204	303	268
Tanjore	23	92	24	89	49	26	39	18
Total, Central Circle ..	849	7,507	880	7,985	10,614 Cwt. 33	6,952	10,923 Cwt. 33	7,724
Southern Circle.								
Direction	55	805	60	922	15	54	15	54
South Canara	214	723	214	651	433	435	428	406
North Malabar	38	885	50	935	551	895	644	602
South do.	49	480	51	469	544	338	515	335
The Nilgiris	110	970	114	999	744	994	843	1,152
North Coimbatore	71	780	68	730	771	1,184	850	1,307
South do.	70	592	81	589	1,599	2,901	2,252	4,429
Madura	111	1,590	116	1,561	497	542	563	441
Tinnevelly	119	664	119	610	443	318	437	297
Forest Training Schools Coimbatore	..	..	46	329	..	..	16	16
Total, Southern Circle ..	837	7,489	919	7,795	5,597	7,661	6,563	9,039
Grand Total, Presidency ..	2,444	20,903	2,632	22,714	20,530 Cwt. 33	21,083	22,233 Cwt. 33	24,802

No. 64.

Madras Presidency.

Stores, Tools and Plant for 1904–1905.

Machinery				Furniture				Building materials, small stores, tents, boats, etc.			
On hand at the commencement of the year.		On hand at the close of the year.		On hand at the commencement of the year.		On hand at the close of the year.		On hand at the commencement of the year.		On hand at the close of the year.	
Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.
10	11	12	13	14	15	16	17	18	19	20	21
	Rs.		Rs.		Rs.		Rs.		Rs.		Rs.
..	..	..	..	119	678	121	624	16	770	16	650
..	..	..	..	260	1,876	384	2,092	..	..	..	..
..	..	..	..	185	1,140	190	1,146	124	1,170	124	1,100
..	..	..	..	624	2,883	582	2,747	35	6,208	31	5,885
..	..	..	..	126	405	137	436	3	1,090	3	1,243
..	..	..	..	93	255	180	1,014	6	1,310	7	1,657
..	..	..	..	30	129	123	848	50	1,581	71	3,901
..	..	10	857	139	603	171	907	9	1,554	9	1,621
1	350	1	300	113	527	151	843	17	1,575	17	1,847
..	..	..	..	320	1,333	338	1,438	6	555	8	718
1	350	11	1,157	2,009	9,829	2,377	12,095	206	15,813	286	17,722
..	..	..	..	139	480	140	460	8	472	8	425
1	29	1	28	232	934	239	1,011	27	1,629	20	1,706
..	21,686	..	26,145	190	1,288	227	1,510	10	1,046	10	993
..	..	..	..	205	947	225	910	8	467	8	803
32	404	32	388	969	2,631	900	2,434	19	1,835	19	1,771
5	158	5	131	200	1,076	201	887	18	2,239	14	1,806
..	..	..	..	134	681	164	988	98	1,061	102	1,100
5	249	5	211	347	1,192	349	1,127	17	921	22	1,464
..	..	..	..	182	726	181	685	12	1,278	13	1,379
..	..	..	..	59	287	60	272	..	..	..	..
43	22,526	43	26,903	2,657	10,242	2,678	10,284	217	10,948	216	11,447
..	..	..	..	222	1,424	227	1,428	6	597	6	567
..	..	..	..	201	1,292	209	1,227	14	1,468	14	1,321
..	..	..	..	170	550	172	622	4	550	4	438
1	3	2	19	189	983	176	938	11	613	4	107
1	120	1	120	186	1,004	206	1,154	7	750	7	750
..	..	..	..	324	1,002	374	1,308	97	870	102	910
659 7,950 ft.	13,637	659 7,950 ft.	12,350	442	1,980	459	1,972	13	1,068	17	1,192
5	5	6	198	372	1,988	466	1,945	480	1,448	490	1,267
..	..	..	..	625	2,177	644	2,278	..	..	..	..
..	..	..	..	..	..	17	123	..	..	12	1,919
666 7,950 ft.	13,765	668 7,950 ft.	12,687	2,731	12,400	2,950	12,995	632	7,364	656	8,471
710 7,950 ft.	36,641	722 7,950 ft.	40,747	7,397	32,471	8,005	35,374	1,115	34,125	1,158	37,640

Abstract showing the Value of Live-stock,

Districts.	Buildings				Live-stock			
	On hand at the commencement of the year.		On hand at the close of the year.		On hand at the commencement of the year.		On hand at the close of the year.	
	Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.
	22	23	24	25	26	27	28	29
Northern Circle.		Rs.		Rs.		Rs.		Rs.
Direction	..	..	..	..	2	15	2	37
Ganjám	53	18,636	56	16,832	..	..	..	..
Vizagapatam	59	7,565	61	7,743	1	Not known.	1	Not known.
Gódávari	107	33,636	94	27,928	1	900	1	900
Kistna	22	2,363	22	2,221	..	..	..	..
Guntúr	42	9,643	42	9,305	..	..	..	..
Kurnool East	16	9,527	40	10,611	50	2,303	72	3,659
Do. West	40	25,235	40	25,235	1	1,600	1	1,600
Bellary	27	4,525	27	4,399	47	1,831	91	3,075
Anantapur	12	13,385	16	15,826	..	..	..	..
Total, Northern Circle ..	378	1,24,515	398	1,20,100	102	6,649	168	9,271
Central Circle.								
Direction	..	..	..	..	..	..	..	..
Cuddapah	123	19,311	125	19,603	2	56	2	56
Nellore	11	8,343	13	9,258	..	..	..	..
Chingleput	26	6,073	28	7,526	..	..	..	..
North Arcot	92	22,120	89	24,260	..	..	..	..
South do.	20	16,880	20	15,038	..	..	..	..
North Salem	20	8,500	22	9,000	..	..	..	..
South do.	21	10,278	22	10,226	..	..	..	..
Trichinopoly	8	3,159	8	2,830	..	..	..	..
Tanjore	4	356	4	358	..	..	..	..
Total, Central Circle ..	325	95,020	331	98,094	2	56	2	56
Southern Circle.								
Direction	..	..	..	..	..	..	..	..
South Canara	22	12,042	28	14,374	3	5,000	3	5,000
North Malabar	..	..	..	..	17	30,500	19	22,670
South do.	30	40,513	37	34,084	20	29,508	39	24,460
The Nilgiris	75	9,243	75	9,761	7	6,700	24	7,943
North Coimbatore	73	33,818	72	34,121	..	..	..	..
South do.	92	39,841	93	36,816	90	26,924	131	36,962
Madura	46	31,370	60	33,283	..	..	..	..
Tinnevelly	66	28,061	70	32,383	..	..	..	..
Forest Training School, Coimbatore	..	..	..	..	..	..	..	..
Total, Southern Circle ..	404	1,94,888	435	1,94,822	137	98,632	216	97,035
Grand Total, Presidency ..	1,107	4,14,423	1,164	4,13,016	241	1,05,337	386	1,06,362

Stores, Tools and Plant for 1904–1905—*cont.*

Miscellaneous				Total					
On hand at the commencement of the year.		On hand at the close of the year.		On hand at the commencement of the year.		On hand at the close of the year.		Difference in value	
Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.	In favour of the year.	Against the year.
30	31	32	33	34	35	36	37	38	39
	Rs.		Rs.		Rs.		Rs.	Rs.	Rs.
5	93	5	80	198	2,139	205	1,891	..	248
..	..	..	..	866	21,751	875	20,381	..	1,370
303	648	303	645	959	11,410	976	11,520	110	..
605	588	516	513	2,635	46,882	2,494	40,627	..	6,255
4	1,692	5	1,691	364	6,521	394	6,617	96	..
..	..	..	..	414	12,627	532	13,769	1,142	..
114	199	188	122	1,099	15,379	1,701	21,314	5,935	..
230	567	241	626	1,142	30,855	1,218	32,059	1,204	..
62	152	71	138	832	10,079	969	12,236	2,157	..
..	..	..	..	647	15,829	785	18,719	2,890	..
1,323	3,939	1,329	3,815	9,156	1,73,472	10,149	1,79,133	5,661	..
94	399	94	379	298	2,202	306	2,417	215	..
296	379	291	358	1,240	23,790	1,195	24,293	503	..
393	5,926	422	5,489	6,386	40,990	6,585	46,067	5,077	..
..	..	..	..	833	8,552	909	10,401	1,849	..
..	..	..	..	3,266 cwt. 33	30,624	3,294 cwt. 33	32,486	1,862	..
1,262	832	1,270	727	1,738	22,081	1,676	19,304	..	2,777
402	275	632	325	1,390	11,701	1,673	12,971	1,270	..
..	..	..	..	1,383	14,797	1,463	15,447	650	..
2,188	841	2,188	844	2,673	6,405	2,742	6,492	87	..
92	349	94	334	227	1,110	221	1,071	..	39
4,727	9,001	4,991	8,456	19,434 33 cwts.	1,62,252	20,064 33 cwts.	1,70,949	8,697	..
531	533	506	488	829	3,413	814	3,459	46	..
558	968	567	1,497	1,445	21,928	1,463	24,476	2,548	..
..	..	..	..	780	33,380	889	25,267	..	8,113
409	1,235	382	1,233	1,253	73,673	1,206	61,645	..	12,028
94	66	119	93	1,224	19,847	1,389	21,972	2,125	..
178	352	180	353	1,514	38,006	1,646	38,729	723	..
189	930	276	926	3,154 ft. 7,950	87,873	3,968 ft. 7,950	95,236	7,363	..
787	386	793	415	2,298	37,329	2,494	39,110	1,781	..
..	..	..	..	1,253	31,220	1,270	35,568	4,348	..
..	..	7	324	..	..	98	2,711	2,711	..
2,746	4,470	2,830	5,329	13,750 ft. 7,950	3,46,669	15,237 ft. 7,950	3,48,173	1,504	..
8,796	17,410	9,150	17,600	42,340 ft. 7,950 cwts. 33	6,82,393	45,450 ft. 7,950 cwts. 33	6,98,255	15,862	..

Form No. 65.

Statement showing the results of transport of wood by tramway.

Forest Department, Madras, Northern Circle.

I.—*Gódávari District.*

Capital Account.

—	1904–1905.	—	1904–1905.
Dr.	Rs. A. P.	*Cr.*	Rs. A. P.
To balance from the previous year	..	By depreciation at 6 per cent.	298 0 0
„ cost of plant	4,800 0 0	„ balance of stock	4,668 0 0
„ Improvements	127 0 0		
„ conveyance of plant ..	39 0 0		
Total ..	4,966 0 0	Total ..	4,966 0 0

Revenue Account.

—	1904-1905.	—	1904-1905.
Dr.	Rs. A. P.	*Cr.*	Rs. A. P.
To road making	116 0 0	By balance written off ..	678 0 0
„ working expenses ..	65 0 0		
„ interest at 4 per cent. ..	199 0 0		
„ depreciation at 6 per cent.	298 0 0		
Total ..	678 0 0	Total ..	678 0 0

—	1904–1905.			
	Number of tons of wood carried.	Number of miles carried.	Total ton-miles.	Actual charge for carrying.	Rate per ton-mile.
				Rs.	Rs. A. P.
Work done ..	$446\frac{2}{17}$	$\frac{3}{4}$	$334\frac{10}{17}$	678	2 0 5

—	1904–1905.		
	Number of ton-miles.	Amount.	Rate per ton-mile.
			Rs. A. P.
Actual charge of carrying	$334\frac{10}{17}$	678	2 0 5
Estimated charges by coolies		350	1 0 9

Statement showing the results of transport of wood by tramway—*cont.*

Forest Department, Madras, Central Circle.

II.—Nellore District.

(i) Sríharikóta Plantation.

Capital Account.

	1903–1904.	1904–1905.		1903–1904.	1904–1905.
Dr.	Rs.	Rs.	*Cr.*	Rs.	Rs.
To balance from the previous year ..	15,716	16,079	By depreciation at 6 per cent. ..	1,026	1,092
Add new stock	1,389	2,122	,, balance of stock	16,079	17,109
Total ..	17,105	18,201	Total ..	17,105	18,201

Revenue Account.

	1903–1904.	1904–1905.		1903–1904.	1904–1905.
Dr.	Rs.	Rs.	*Cr.*	Rs.	Rs.
To working expenses	1,436	2,100	By balance written off	4,170	4,442
,, road-making and repairs	528	457			
,, interest at 4 per cent.	684	728			
,, depreciation at 6 per cent. ..	1,026	1,092			
,, repairs to wagons	496	65			
Total ..	4,170	4,442	Total ..	4,170	4,442

	1903–1904.					1904–1905.				
	Number of tons of wood carried.	Number of miles carried.	Total ton-miles.	Actual charge for carrying.	Rate per ton-mile.	Number of tons of wood carried.	Number of miles carried.	Total ton-miles.	Actual charge for carrying.	Rate per ton-mile.
				Rs.	Rs. A. P.				Rs.	Rs. A. P.
Work done	7,344	4	29,376	4,170	0 2 3	7,831	4	31,324	4,442	0 2 3

	1903–1904.			1904–1905.		
	Number of ton-miles.	Amount.	Rate per ton-mile.	Number of ton-miles.	Amount.	Rate per ton-mile.
		Rs.	Rs. A. P.		Rs.	Rs. A. P.
Actual charge for carrying	29,376	4,170	0 2 3	31,324	4,442	0 2 3
Estimated charges by coolies		38,556	1 5 0		41,113	1 5 0

ABSTRACT.

Year.	Profit.	Loss.
	Rs.	Rs.
1889–90	..	1,444
1890–91	8,487	..
1891–92	3,742	..
1892–93	13,807	..
1893–94	13,063	..
1894–95	15,153	..
1895–96	9,100	..
1896–97	23,921	..
1897–98	25,450	..
1898–99	30,398	..
1899–1900	23,176	..
1900–1901	8,713	..
1901–1902	27,918	..
1902–1903	24,917	..
1903–1904	34,386	..
1904–1905	36,671	..
Total ..	2,98,902	
Deduct loss ..	1,444	
Net profit ..	2,97,458	

Statement showing the results of transport of wood by tramway—*cont.*

Forest Department, Madras, Central Circle—cont.

II.—Nellore District—cont.

(ii) Casuarina Plantation Range.

Capital Account.

—	1903-1904.	1904-1905.	—	1903-1904.	1904-1905.
Dr.	Rs.	Rs.	*Cr.*	Rs.	Rs.
To balance from the previous year.	14,197	14,651	By depreciation at 6 per cent.	935	1,061
Add new stock	1,389	3,033	,, balance of stock	14,651	16,623
Total ..	15,586	17,684	Total ..	15,586	17,684

Revenue Account.

—	1903-1904.	1904-1905.	—	1903-1904.	1904-1905.
Dr.	Rs.	Rs.	*Cr.*	Rs.	Rs.
To working expenses	2,231	1,400	By balance written off ..	4,688	3,315
,, road-making and repairs ..	403	114			
,, interest at 4 per cent. ..	623	707			
,, depreciation at 6 per cent. ..	935	1,061			
,, repairs to wagons	496	33			
Total ..	4,688	3,315	Total ..	4,688	3,315

—	1903-1904.					1904-1905.				
	Number of tons of wood carried.	Number of miles carried.	Total ton-miles.	Actual charge for carrying.	Rate per ton-mile.	Number of tons of wood carried.	Number of miles carried.	Total ton-miles.	Actual charge for carrying.	Rate per ton-mile.
				Rs.	Rs. A. P.				Rs.	Rs. A. P.
Work done	2,511 27/40	1	2,511 27/40	4,688	0 4 2	1,955	30/40	1,466 10/40	3,315	0 2 11
	4,836 28/40	2	9,673 16/40			2,854	2 10/40	6,421 20/40		
	3,010 10/40	1	3,010 10/40			3,577	2	7,154		
	1,327 5/40	2	2,654 10/40			1,866	1 30/40	3,265 20/40		
	11,685 30/40	6	17,849 23/40			10,252	6 30/40	18,307 10/40		

—	1903-1904.			1904-1905.		
	Number of ton-miles.	Amount.	Rate per ton-mile.	Number of ton-miles.	Amount.	Rate per ton-mile.
	17,849 23/40	Rs.	Rs. A. P.	18,307 10/40	Rs.	Rs. A. P.
Actual charge of carrying		4,688	0 4 2		3,315	0 2 11
Estimated charges by coolies.. ..		23,428	1 5 0		24,028	1 5 0

ABSTRACT.

Year.	Profit.	Loss.	Year.	Profit.	Loss.
	Rs.	Rs.		Rs.	Rs.
1885-86	1,735	..	1898-99	3,224	..
1886-87	5,030	..	1899-1900	13,275	..
1887-88	..	536	1900-1901	22,553	..
1888-89	6,272	..	1901-1902	14,525	..
1889-90	545	..	1902-1903	24,372	..
1890-91	7,323	..	1903-1904	18,740	..
1891-92	4,646	..	1904-1905	20,713	..
1892-93	5,290	..			
1893-94	5,351	..	Total ..	1,74,662	
1894-95	5,261	..	Deduct loss ..	536	
1895-96	4,826	..			
1896-97	3,981	..	Net profit ..	1,74,126	
1897-98	7,000	..			

Statement showing the results of transport of wood by tramway—*cont.*

Forest Department, Madras, Southern Circle.

III.—South Coimbatore District.

Capital Account.

—	1903-1904.	1904-1905.	—	1903-1904.	1904-1905.
Dr.	Rs.	Rs.	*Cr.*	Rs.	Rs.
To balance from the previous year ..	33,203	32,415	By depreciation at 6 per cent. ..	2,069	1,952
,, repairs of tram-trucks	1,282	115	,, balance of stock	32,416	30,578
Total ..	34,485	32,530	Total ..	34,485	32,530

Revenue Account.

—	1903-1904.	1904-1905.	—	1903-1904.	1904-1905.
Dr.	Rs.	Rs.	*Cr.*	Rs.	Rs.
To working expenses	2,175	910	By balance written off	8,912	8,049
,, depreciation at 6 per cent. ..	2,069	1,952			
,, interest at 4 per cent.	1,379	1,301			
,, repairs to tram-line	397	180			
,, cost of feed and keep of bulls employed in tramming ..	2,892	3,706			
Total ..	8,912	8,049	Total ..	8,912	8,049

—	1903-1904.					1904-1905.				
	Number of tons of wood carried.	Number of miles carried.	Total ton-miles.	Actual charge for carrying.	Rate per ton-mile.	Number of tons of wood carried.	Number of miles carried.	Total ton-miles.	Actual charge for carrying.	Rate per ton-mile.
				Rs.	Rs. A. P.				Rs.	Rs. A. P.
Work done.	258 12/40 tons (10,332 c. ft.).	4	1,038	8,912	1 4 8	180 23/40 tons (7,222 c. ft.).	5 3/4	1,038	8,049	1 4 10
	676 25/40 tons (27,065 c. ft.).	5 1/2	3,721			471 5/40 tons (18,845 c. ft.).	5 1/4	2,473		
	114 tons (4,560 c. ft.).	3 3/4	428			7 7/40 tons (307 c. ft.).	4 3/4	36		
	119 9/40 tons (4798 c. ft.).	5 1/4	630			311 3/40 tons (12,443 c. ft.).	3 3/4	1,167		
	97 19/40 tons (3,899 c. ft.).	4	390			57 6/40 tons (2,285 c. ft.).	3 3/4	214		
	235 4/40 tons (9,404 c. ft.).	3	705			410 26/40 tons (16,426 c. ft.).	3	1,232		
						22 23/40 tons. (916 c. ft.).	1	23		
Total ..	1,501 18/40		6,907			1,461 4/40		6,183		

—	1903-1904.			1904-1905.		
	Number of ton-miles.	Amount.	Rate per ton-mile.	Number of ton-miles.	Amount.	Rate per ton-mile.
		Rs.	Rs. A. P.		Rs.	Rs. A. P.
Actual charge of carrying	6,907	8,912	1 4 8	6,183	8,049	1 4 10
Estimated cost of carting	6,907	7,195	1 0 8	6,183	6,441	1 0 8
Actual cost of maintaining cart-road before the construction of tramway (now saved)	..	1,200	..	..	1,220	..
Cost of extension of road beyond Sangam (now saved)..	..	310	..	..	310	..
Total estimated cost of carting ..	..	8,705	..	..	7,971	..
Loss ..	..	207	..	..	78	..
Add loss up to 1903-1904 ..	..	..	..	..	31,971	..
Total loss ..	..	..	..	..	32,049	..

ANNUAL FORM No. 72-A (OLD CODE).

Forest Department, Madras Presidency.

MONEY value of sales of timber, fuel and bamboos cut, collected and removed by Consumers or Purchasers during 1904–1905.

District.	Timber.	Firewood and charcoal.	Bamboos.	MONEY VALUE OF SALES.					
				Timber.		Firewood and charcoal.		Bamboos.	
				Amount of sales.	Amount actually realized during the year.	Amount of sales.	Amount actually realized during the year.	Amount of sales.	Amount actually realized during the year.
1	2	3	4	5	6	7	8	9	10
Northern Circle.	C. FEET.	C. FEET.	NO.	RS.	RS.	RS.	RS.	RS.	RS.
Ganjám	447,320	589,862	1,322,380	28,189	(a) 28,029	8,732	8,732	5,302	5,302
Vizagapatam	78,545	173,352	1,213,190	6,260	6,260	3,886	3,886	10,708	10,708
Gódávari	329,685	309,070	10,701,986	34,662	34,714	11,081	11,672	56,029	56,029
Kistna	131,333	866,668	275,200	8,049	8,049	22,465	21,700	1,296	1,296
Guntúr	49,262	172,257	500	4,264	(b) 4,085	8,991	(c) 6,129	72	72
Kurnool, East	69,141	78,740	1,289,350	9,122	9,122	3,238	3,238	5,373	5,373
Do. West	187,057	311,201	3,683,600	21,373	21,373	9,037	(d) 9,119	16,139	16,139
Bellary	* 106,064	* 367,203	113,200	7,104	7,087	6,710	6,710	2,424	2,424
Anantapur	32,513	117,880	14,352	5,085	(e) 4,955	3,321	(f) 3,304	285	285
Total ..	1,430,920	2,986,233	18,613,758	1,24,108	1,23,714	77,461	74,490	97,628	97,628
Central Circle.									
Cuddapah	153,190	477,368	1,442,640	13,229	14,742	9,723	10,182	8,774	8,774
Nellore	48,080	501,396	5,675	5,700	(g) 5,837	55,540	(h) 46,504	14	14
Chingleput	32,714	113,511	812	3,068	3,115	7,033	9,741	76	76
North Arcot	64,793	973,687	3,788,360	4,050	(i) 4,028	15,214	(j) 18,492	23,677	26,139
South do.	61,578	472,805	1,487,407	7,441	7,441	31,872	(k) 33,627	3,730	3,730
North Salem	52,887	372,589	2,821,000	3,610	(l) 3,428	6,541	7,599	11,881	9,843
South do.	63,344	245,341	4,426,825	4,150	(m) 4,227	6,894	(n) 6,878	19,885	21,802
Trichinopoly	37,619	995,872	165,567	3,022	3,022	15,634	15,908	1,765	1,765
Tanjore	15,151	695,137	2,356	832	832	11,382	12,906	184	184
Total ..	529,306	4,847,706	14,140,642	45,102	46,672	1,59,783	1,61,837	69,986	72,327
Southern Circle.									
South Canara	* 19,565	279,464	* 85,032	3,108	3,059	10,574	9,255	1,328	1,328
North Malabar	9,488	3,120	18,050	† 1,832	1,832	49	49	311	(o) 291
South do.	71,657	160	30,216	3,863	4,039	8	8	633	633
The Nilgiris	11,319	40,477	54,936	1,476	1,476	2,530	2,530	1,188	1,188
North Coimbatore ..	16,008	77,600	171,720	1,392	1,395	8,262	8,266	10,733	10,857
South do.	22,993	486,209	1,628,960	5,679	5,850	11,422	11,414	8,203	8,249
Madura	73,525	616,763	166,452	8,222	(p) 8,215	32,058	(q) 30,697	5,377	5,377
Tinnevelly	50,306	1,419,474	2,128	496	177	67,091	67,136	‡ 820	861
Total ..	274,861	2,923,267	2,157,494	26,068	26,043	1,31,994	1,29,355	28,593	28,784
Grand, Total Presidency.	2,235,087	10,757,206	34,911,894	1,95,278	1,96,429	3,69,238	3,65,682	1,96,207	1,98,739
Grand, Total 1903–1904..	2,476,856	10,925,619	36,189,698	2,13,242	2,09,009	4,07,526	3,78,233	1,79,623	1,76,838

N.B.—Columns 6, 8 and 10 include arrear collections of revenue outstanding at the end of the previous year and are the audited figures of the Accountant-General as per Form No. 59.

* Includes confiscated produce.

† Includes Rs. 878 being the value of trees on darkhast lands; the cubical contents of the trees are reported to be not known.

‡ Includes the value of 100½ tons of Itakalli.

(*a*) The Collector's figure is Rs. 28,075 and the Collector reports that the variation is apparently due to the Accountant-General not having taken into account the amount of Rs. 46 adjusted in the district accounts in accordance with his memorandum No. A.C.X.—156 dated 1st December 1904.

(*b*) The Collector's figure is Rs. 4,189; the variation is explained to be due to the non-inclusion by the Accountant-General of Rs. 30 being the revenue of the Ongole taluk from July to September 1904 and to the non-adjustment within the year in the Accountant-General's books of the amount of Rs. 74 referred to in his memorandum No. A.C.X.—59, dated 31st July 1905.

(*c*) The Collector's figure is Rs. 6,631; the variation is explained to be due apparently to the non-inclusion in the Accountant-General's figures of the revenue of Ongole taluk transferred to the district.

(*d*) The Collector's figure is Rs. 9,037; the variation has not been explained.

(*e*) *and* (*f*) The Collector's figures are Rs. 5,085 and Rs. 3,321 respectively.

(*g*) *and* (*h*) The Collector's figures are Rs. 5,700 and Rs. 33,891 respectively. The variation under II (*a*) is reported to be due to a sum of Rs. 19 apportioned by the Accountant-General to the Guntúr district and to alterations carried out in the district returns but not in those of the Accountant-General, the books of the latter having been closed. The variation under II (*b*) is due to similar adjustments, to a sum of Rs. 750 having been credited to incorrect head in the Accountant-General's accounts, to a sum of Rs. 5,474 said to have been adjusted by the Conservator of Forests, Central Circle in his accounts for March 1905, to a sum of Rs. 9,853 paid in the Madras Bank in 1903–1904, but not brought to account by the Accountant-General in that year and to an amount of Rs. 970 realized in 1904–1905 not being included in the Accountant-General's accounts.

(*i*) *and* (*j*) The Collector's figures are Rs. 4,050 and Rs. 18,471 respectively.

(*k*) The Collector's figure is Rs. 33,756; the Collector is unable to make out how the Accountant-General's figures were arrived at.

(*l*) The Collector's figure is Rs. 3,610 and the variation is explained by the Collector to be due to the alterations ordered by the Accountant-General in his memorandum No. A.C.X.—58, dated 9th August 1904, No. A.C.X.—292, dated 19th April 1905, and No. A.C.X.—348, dated 29th May 1905, not having been carried out in the Accountant-General's accounts.

(*m*) The Collector's figure is Rs. 4,150; this is reported by him to be correct in accordance with the Accountant-General's alteration memorandum No. A.C.X.—331, dated 17th May 1905. The alteration ordered by the Accountant-General in the district accounts was not presumably effected in the Accountant-General's accounts.

(*n*) The Collector's figure is Rs. 6,893 and is reported to be correct, Rs. 15 having been added in the district accounts as per Accountant-General's order against item 1 in the objection statement for June 1905.

(*o*) The Collector's figure is Rs. 311 and is reported to be correct; the difference of Rs. 20 is due to the wrong inclusion of the amount under II (*d*) in the figures furnished by the Accountant-General in his Form No. 59.

(*p*) *and* (*q*) The Collector's figures are Rs. 8,222 and Rs. 30,713 respectively; the Collector explains the variations to be due presumably to the alterations sanctioned by the Accountant-General not having been effected in his accounts.

ANNUAL FORM No. 72-B (OLD CODE).

Forest Department, Madras Presidency.

TIMBER and other produce confiscated and sold during the year 1904–1905.

District.	TIMBER.		FIREWOOD.		BAMBOOS.		Minor produce in value.	Total amount of sales.	Amount actually realized.
	Quantity in cubic feet.	Amount of sales.	Quantity in cubic feet.	Amount of sales.	Number.	Amount of sales.			
Northern Circle.		RS.		RS.		RS.	RS.	RS.	RS.
Ganjám	1,471	262	270	8	1,237	6	1	277	277
Vizagapatam ..	160	18	195	3	..	..	121	142	142
Gódávari	* 3,827	1,486	1,274	80	375	6	62	1,634	1,828
Kistna	216	32	654	41	..	..	1	74	55
Guntúr	518	77	2,835	179	134	1	1	258	¶ 82
Kurnool East ..	696	149	29	3	10,150	96	101	349	349
Kurnool West ..	1,808	435	597	27	8,989	34	124	620	620
Bellary	200	99	5,967	112	..	..	1	212	212
Anantapur	..	..	..	..	..	..	199	199	** 194
Total ..	8,896	2,558	11,821	453	20,885	143	611	3,765	3,759
Central Circle.									
Cuddapah	1,923	951	164	6	1,200	3	7	967	660
Nellore	4,855	1,143	46,415	1,165	300	1	304	2,613	†† 2,431
Chingleput	61	65	166	7	..	..	2	74	74
North Arcot ..	643	236	1,750	120	2,496	60	62	478	478
South do. ..	1,116	212	1,004	40	57	1	52	305	305
North Salem	786	87	682	17	1,725	13	7	124	124
South do.	302	86	1,387	90	8,070	48	53	277	277
Trichinopoly ..	430 † 8	39	346	23	52	2	13	77	77
Tanjore	17	2	128	5	..	..	1	8	8
Total ..	10,141	2,821	52,042	1,473	13,900	128	501	4,923	4,434
Southern Circle.									
South Canara ..	6,582	971	7,746	496	442	10	52	1,529	1,538
North Malabar ..	3,094	..	..	..	..	..	..	‖ 618	618
South do. ..	1,159	216	..	..	‡ ..	..	..	216	216
The Nilgiris ..	120	26	107	4	..	..	4	34	34
North Coimbatore ..	2,151	158	1,547	30	2,643	38	7	233	233
South do. ..	805	418	713	27	961	12	§ 6	463	463
Madura	418	78	1,275	151	16	1	130	360	360
Tinnevelly	444	225	22,794	1,130	..	..	176	1,531	1,516
Total ..	14,773	2,092	34,182	1,838	4,062	61	375	4,984	4,978
Grand Total ..	33,810	7,471	98,045	3,764	38,847	332	1,487	13,672	13,171

Add outstandings at the close of 1903–1904 ..	335
Total ..	14,007
Deduct amount realized as per Form No. 59 ..	13,171
Balance outstanding on 30th June 1905 ..	836

* Includes driftwood.

† Sandalwood.

‡ One head load of split bamboos was confiscated and sold for As. 2-6.

§ Includes seven head loads of fodder grass sold for Rs. 1-8-6.

‖ Represents value of timber confiscated last year and sold during the year.

¶ The Collector's figure is Rs. 258; and the difference of Rs. 176 is explained to represent the revenue under the head from July to September 1904 of the Ongole taluk transferred to Guntur but not included in the figures furnished by the Accountant-General.

** The Collector's figure is Rs. 199.

†† The Collector's figure is Rs. 2,609; the Collector explains the variation to be due to Rs. 177 having been apportioned to the Guntúr district by the Accountant-General and to rounding off of fractions of rupees.

GOVERNMENT OF MADRAS.

REVENUE DEPARTMENT.

READ—the following paper :—

Proceedings of the Board of Revenue (Land Revenue), Forest No. 258, dated 17th November 1905.

The Hon'ble Mr. C. J. WEIR, I.C.S.

The Board submits to Government the progress report of Forest Administration in the Madras Presidency for the year ending with 30th June 1905.

2. In accordance with the last clause of section 258 of the Forest Code, the report has been drawn up by Mr. C. E. Brasier, the senior Conservator of Forests now on duty.

3. The work of the Commissioned officers, under the usual arduous conditions of Forest service, has been uniformly good, and they have shown themselves zealous and discreet : for special mention the Board would select, besides the three Conservators,

Mr. P. M. Lushington.	Mr. Fischer.
,, Bryant.	,, Scot.
,, Latham.	,, Richmond.
,, Cox.	,, Rama Rao.
,, Wood.	

(True Extract.)

A. R. LOFTUS-TOTTENHAM,
Acting Secretary.

To the Secretary to Government, Revenue Department,
with three copies of the report.

Order—No. 69, Revenue, dated 20th January 1906.

Forest No. 8.

The report on the administration of the Forest Department for the year 1904–1905 will be recorded with the following remarks.

2. *Extension of Forest area.*—The net addition to the area of reserved forest during the year amounted to 184 square miles. The principal alterations were in the districts of Kurnool, Bellary and Cuddapah where considerable areas of reserved land were constituted reserved forest. An area of 78 square miles was newly added as reserved land. The total area under the control of the department at the end of the year thus amounted to 19,626 square miles, of which 18,107 square miles were reserved forest, 1,110 square miles, lands notified under section 4 of the Forest Act for settlement, and the remainder, forests leased from private persons and lands reserved under the rules made under section 26 of the Act.

3. *Forest Settlement.*—The progress made during the year in the settlement of lands chosen for reservation was hardly satisfactory. At the end of the previous year an area of 1,119 square miles remained to be declared reserved forests ; during the

year a further extent of 183 square miles was selected for reservation. Of the 1,302 square miles thus to be dealt with, only 192 square miles were finally settled as compared with an extent of 317 square miles settled in the previous year. It appears, however, that, in addition, the settlement of 55 blocks covering an area of 371 square miles was practically finished during the year. There remains according to the present programme an extent of about 938 square miles to be settled as forest reserve; but it is possible that the reservation of some part of this area may be found unnecessary. The Government hope that as much of the work as possible will be completed before the end of next March, when the term of the appointment of the two Special Settlement-officers will expire. What then remains to be done will be entrusted to the Divisional-officers.

4. *Demarcation and survey.*—The length of boundary lines demarcated during the year was 1,753 miles, which brought up the total to 97 per cent. of the total length requiring demarcation. Two sections of Party No. 19 of the Survey of India continued to work, but the outturn compared unfavourably with that of previous years owing to the sickness from which the establishments suffered. A considerable amount of departmental survey was also accomplished by the ordinary forest establishment. By the end of the year maps had been prepared for 71 per cent. of the total area of reserve and there remained 1,009 square miles still to be surveyed.

5. *Working-plans.*—The progress made in the preparation and adoption of working-plans was again small. Plans were sanctioned for 1,046 square miles and were in the course of preparation for a further area of 1,214 square miles, but over half of the total extent of the forest area still remained to be dealt with. The deficiency is especially marked in the districts of Guntúr, Kurnool, Cuddapah and Coimbatore. The Government trust that the Board will be able to secure better progress in this important matter during the current year.

6. The sanctioned plans were adhered to in most cases, but in Cuddapah the establishment proved insufficient to carry out all the contemplated departmental operations and in North Malabar the delay in the settlement of the question of the transport of Wynaad timber through the Mysore forests prevented the expected development of departmental traffic.

7. *Communications and buildings.*—A large number of rest-houses and Range offices were constructed in the year. The tramway in South Coimbatore was run at a slightly higher cost than in 1903–1904, but the excess in expenditure over the estimated cost of carting was insignificant. In Gódávari, however, the cost of carrying timber by the new mono-rail tramway was nearly double what it would have been had coolies been employed.

8. *Offences against the Forest Laws.*—The number of offences reported was 21,930, or about the same as last year. In 7½ per cent. of the cases the offenders remained undetected. Of the rest, 31 per cent. were taken into Court and the remaining 69 per cent. were compounded. Of the cases taken into Court and disposed of, 91·78 per cent. resulted in convictions. As usual in a very large percentage of the cases of injury to the forests by fire, the offenders remained undetected. The Government are glad to observe that in Nellore the practice of allowing permits to be current throughout the district appears to have contributed to the decrease in the number of grazing offences reported. The effect of dividing the district of Kurnool into two forest charges has apparently been so far to increase the number of offences brought to light; the Government hope, however, that the better supervision, now possible, will result in offences being more generally prevented in future.

9. *Protection from fire.*—The area which the department attempted to protect against fire was extended from 5,641 square miles to 6,509 square miles this year and the proportion of failure fell from 9·5 per cent. to 2·4 per cent. The total extent burnt was 226,875 acres and there was thus a great improvement over the results attained last year. The area reported to have been burnt maliciously is 12,893 acres or about half that similarly burnt in the previous year. The Government have recently considered the whole question of the policy to be adopted to prevent forest fires (G.O., No. 554, dated 14th June 1905), and have issued instructions which, they hope, will have the effect of largely diminishing the damage done to the forests by graziers and persons enjoying forest privileges.

10. *Protection from cattle.*—The area of reserves closed to all cattle was reduced during the year from 1,696 square miles to 1,621 square miles, 89 per cent. of the whole forest area being left open to grazing, and 4 per cent. to the browsing of goats. Over three million head of cattle were licensed to graze and browse. There was a considerable increase in the number of cattle impounded for illicit grazing in Kurnool where the enlargement of the establishment enabled the department to exercise greater supervision, but elsewhere there was a noticeable decrease especially in the districts of Bellary and Cuddapah where more permits were issued than in previous years. As in previous years goats were excluded from the reserves in most districts. The vexed question of the regulation of goat browsing has recently been discussed in connection with the proposals made by the Conservator of the Northern Circle to introduce greater restrictions on browsing in Bellary, Guntúr and Kistna. The Government have expressed the opinion that there is a growing tendency to sacrifice the goat to the exigencies of forest administration and have desired that adequate provision should be made for it in the scheme of forest policy.

11. *Sylviculture.*—Natural reproduction appears to have been generally satisfactory, but the root fungus which has now been identified as *Trichosporium vesiculosum* and the borer *Arbela teraorius* seem to have done considerable damage in Nellore and Ganjám. In South Malabar 55 acres were newly planted with teak and 135 acres were prepared for plantation. In Kistna, Gódávari and Guntúr considerable areas were planted with sissoo and casuarina. Various minor cultural operations and experiments in arboriculture were also carried on in most districts, but none of them appear to call for special remark.

12. *Working and outturn.*—The system of leasing the right of exploiting forest produce to private contractors continued to predominate, though the outturn of timber extracted departmentally was double what it was in the previous year and that of fuel nearly 50 per cent. greater. Unregulated exploitation was as usual confined for the most part to unreserved areas and to produce of minor importance. The total output from the forests amounted to over 3 million cubic feet of timber, over 20 million cubic feet of fuel; and nearly 36 million bamboos. Of the timber 43 per cent. was extracted departmentally, the bulk of the operations being carried on in the districts of Cuddapah, Salem, Malabar and Coimbatore. The fuel extracted departmentally was mainly for supply to the Railways and to the various depôts which have been established for the sale of firewood in towns and elsewhere. The Government are glad to notice that the experiment of selling agricultural implements met with success in Kurnool, Salem and Coimbatore. The value of the minor produce extracted was 13 lakhs of rupees, the major part being as usual derived from grazing fees and sales of grass. The experiments in hay-making were continued and as before showed the most diverse results. The demand for hay seems to have been poor except in Chingleput.

13. *Financial results.*—The gross revenue rose to Rs. 28,30,542, an increase of 5 per cent. on last year's figure and of 17 per cent. on the average for the previous three years. Expenditure increased from Rs. 17,92,425 to Rs. 20,84,480 owing mainly to the extension of departmental exploitation, to the formation of additional forest divisions in the Northern Circle and to the opening of the training school for deputy rangers and foresters at Coimbatore. The net result was a surplus of 7½ lakhs. Of the expenditure, 43 per cent. was devoted to the extension, protection and improvement of forests and the rest to exploitation. Departmental exploitation yielded a profit of 9½ per cent. as compared with a profit of 23 per cent. last year. The decrease is stated to be due to the accumulation of a large stock of timber, extracted in accordance with the sanctioned plans, from the forests of Malabar and South Coimbatore which it was found impossible to dispose of owing to the difficulty of arranging for the development of departmental sales in Mysore. The result was that the profits in the Southern Circle as a whole fell from Rs. 1,26,466 to Rs. 17,045. The question of the financial prospects of the Southern Circle forests formed the subject of a special report during the year (G.O., No. 47, dated 18th January 1905) and the Government trust that it will soon be possible to make satisfactory arrangements for their working. It is observed that the Conservator calculates that, if the value of the stock accumulated at the depôts be taken into account, the profit made out of the departmental operations would amount to 34 per cent. on the expenditure.

14. The collections during the year were satisfactory, a sum of Rs. 28,30,542 being collected out of a total demand of Rs. 29,97,569.

15. *General.*—The division of the Kurnool district into two forest charges was carried into effect during the year, and the two divisions of Gódávari and Kistna were reconstituted into three concurrently with the constitution of the new Guntúr district.

16. Four Assistant Conservators joined the staff during the year and one Deputy Conservator retired. Two Deputy Conservatorships have recently been added to the cadre of the Presidency and an Assistant Conservatorship has been transferred from the Punjab list, but there are not at present men to fill the additional appointments thus created. The Government still await the Board's detailed proposals for increasing the number of rangers' appointments (G.O., No. 170, dated 24th February 1905). His Excellency the Governor in Council is much gratified with the testimony borne by the Board to the excellence of the work done by the superior staff. The conduct of the subordinate executive and protective staff was, however, still capable of much improvement. The Government hope that some good will result in this direction from the training school for deputy rangers and foresters which, was opened during the year at Coimbatore. The question of improving the personnél of the ranger class and the subordinate grades of the Provincial service has recently formed the subject of correspondence with the Government of India.

17. Various proposals are now under consideration for the reorganisation of the Imperial service in order to adapt it to present conditions of forest administration and to increase the general efficiency of the department.

(True Extract.)

A. G. CARDEW,
Ag. Secretary to Government.

To the Board of Revenue (Land Revenue).
,, Accountant-General.
Copy to the Government of India, Department of Revenue and Agriculture (with C.L.).

ANNUAL ADMINISTRATION REPORT

OF THE

FOREST DEPARTMENT

OF THE

MADRAS PRESIDENCY

FOR THE

TWELVE MONTHS ENDING 30TH JUNE 1906.

(1905-1906.)

XI-1
9.7.

MADRAS:
PRINTED BY THE SUPERINTENDENT, GOVERNMENT PRESS.

1906.

TABLE OF CONTENTS.

CHAPTER I.—CONSTITUTION OF STATE FORESTS.

	PARA.	PAGE
1. Alteration in Area—		
Areas—		
Changes during the 12 months.	1	1
Details of the changes in areas.	2	2 & 3
2. Forest Settlement—		
Progress in Settlements and Outturn of Work by Special Forest Settlement-officers and by Revenue Divisional-officers.	3	3
3. Demarcation—		
Lengths demarcated and cost of permanent demarcation ..	4	3
4. Forest Surveys—		
(a) By Survey of India Parties.	5	3 & 4
(b) By Departmental Survey ..	6	4 & 5

CHAPTER II.—MANAGEMENT OF STATE FORESTS.

1. Regulation of Management—		
(a) Preparation and Control of Working-plans	7–9	5–7
(b) Annual Plans of Operations ..	10	7 & 8
2. Communications and Buildings..	11	8 & 9
3. Protection of Forests—		
(a) General Protection	12–16	10 & 11
(b) Protection from fire	17& 18	11–14
(c) Protection from cattle ..	19& 20	14 & 15
(d) Protection of growth against injuries from natural causes.	21	16 & 17
4. Sylviculture—		
(a) Natural Reproduction ..	22	17–20
(b) Artificial Reproduction ..	23	20–23
(c) Operations for the improvement of Growing stock ..	24& 25	23 &24
(d) Experiments	26	24–26
5. Exploitation—		
(a) System of Exploitation—		
(i) Major forest produce—		
(1) Clear or Regeneration Fellings	27	27
(2) Selection Fellings ..	28	27
(3) and (4) Improvement and Coppice Fellings..	29	27 & 28
(5) Unregulated Fellings ..	30	28
(ii) Minor forest produce—		
(1) Miscellaneous produce.	31	28 & 29
(2) Extraction of Fodder..	32	29 & 30
(3) Hay-making	33	30
(4) Grazing	34	31
(b) Agency of Exploitation—		
(i) By Departmental Agency.	35	31 & 32
(ii) By Purchasers .. .. Confiscated Produce ..	36	32 & 33
(iii) By Right-Holders .	37	33
(iv) By Free Grantees ..	38	33
(c) Outturn and sources of Forest Produce	39	34

CHAPTER III.—FINANCIAL RESULTS.

Revenue and Expenditure	40	34–36

CHAPTER IV.—ADMINISTRATION.

General	41	36 & 37
Conduct of Establishment—		
(i) Executive staff	42	37
(ii) Protective staff	43	37 & 38
(iii) Ministerial establishment.	44	38
Health of the Establishment ..	45	38
Relations between Revenue and Forest Officials	46	38
Service Books	47	38
Tours of the Forest Member ..	48	38
Conservators' Inspections ..	49	38
Touring of District Forest-officers.	50	38 & 39
Inspection of Range offices by District Forest-officers ..	51	39
Audit of the accounts of the District Forest offices	52	39
Forest College, Dehra Dun ..	53	39
Forest school, Coimbatore ..	54	39
Work and services of Superior officers	55	39-41

CHAPTER V.—GENERAL.

	PARA.	PAGE
Realization of revenue from the usufruct of toddy-yielding trees on Government waste and Poramboke Lands	56	41 & 42
Measures adopted to encourage the growth of manure — leaf yielding trees and shrubs ..	57	42
Rules under the Forest Act .	58	43
Rules under Section 26 of the Forest Act	59	
Inventory of valuable stock ..	60	
Rain-gauges	61	
Supply of Forest Produce to meet the wants of the people ..	62	43 & 44
Cultivation in Reserved Forests ..	63	44
Suits	64	44 & 45
Elephants	65	45
The Saw-mill at Mount Stuart ..	66	
The wire ropeway at Mount Stuart	67	
Mica, etc.	68	46–48
Forest Museum	69	48

APPENDICES.

	PAGE.
Appendix A—District areas and Forest Reserves	i
Do. B—Reserved Forests in square miles	ii
Do. C—Particulars of balance of lands under Settlement	iii to v
Do. D—Causes of delay in the submission of final Notifications of Forest Reserves	vi
Do. E—Reserved Lands not under Settlement in square miles	vii
Do. F—Abstract of District Reports in regard to the maintenance of Maps ..	viii & ix
Do. G—Statement showing the area of Forests Reserve for which final Maps have been prepared	x
Area of Reserved Forests and Reserved Lands (No. 44)	xi to xvii
Progress made in, and expenditure incurred on, Forest settlements during 1904–1905 (No. 45)	xviii to xxv
Record of demarcation and maintenance of boundaries (No. 46)	xxvi
Forest Areas Surveyed and under Survey (No. 47)	xxvii & xxviii
Progress made in Working-Plans (No. 48)	xxix
Communications and Buildings (No. 49)	xxx to xxxvii
Register of Breaches of Forest Rules (No. 50)	xxxviii to xlv
Appendix to No. 50	xlvi to xlviii
Area of Forest Tracts protected from Fire (No. 51)	xlix to lxvii
Areas open and closed to grazing (No. 52)	lxviii
Statement of grazing in Reserved Forest and Reserved lands (No. 53)	lxix to lxxiii
Area of plantations, cultural operations and Topes (No. 54)	lxxiv & lxxv
Statement showing the Outturn of Timber and Firewood and Agency of Exploitation (No. 55)	lxxvi to xci
Outturn of Minor Forest Produce (No. 56)	xcii
Account of Timber, &c., in Depots and sold locally (No 57)	xciii to xcv
Abstract showing the value of Timber and other Produce at Depots (No. 58) ..	xcvi to xcix
Summary of Revenue and Expenditure (No. 59)	c to cvii
Abstract of the above prepared in the Board's office	cviii & cix
Outstandings and Liabilities on account of Contractors and Disbursers (No. 60) ..	cx
Do. on account of Revenue (No. 61)	cxi
Statement of Financial results (No 62)	cxii
Return of Elephants (No. 63)	cxiii to cxv
Abstract showing the value of Live-stock, Stores, Tools and Plant (No. 64) ..	cxvi to cxix
Statement showing the results of Transport of Wood by Tramways compared with the Transport by Carts (No. 65)	cxx to cxxiii
Timber and other Produce cut and collected and removed by Consumers (No. 72 A, Old Code)	cxxiv
Timber and other Produce confiscated and sold (No. 72 B, Old Code)	cxxv

REPORT

OF

FOREST ADMINISTRATION IN THE MADRAS PRESIDENCY

FOR THE TWELVE MONTHS ENDING 30TH JUNE 1906.

CHAPTER I.—CONSTITUTION OF STATE FORESTS.

1. Alteration in Area.

The following abstract from Form No. 44 shows the changes in the areas of reserved forests and reserved lands in the three circles and in the Presidency as a whole during the year:—

—	Area on 1st July 1905.	Added during the year.	Excluded during the year.	Net increase or decrease.	Area on 30th June 1906.
Northern Circle.	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.
Reserved forests	6,443	(a) 32	..	+ 32	6,475
Do. lands	393	(b) 9	(c) 1, (d) 17, (e) 32	— 41	352
Total ..	6,836	41	50	— 9	6,827
Central Circle.					
Reserved forests	7,032	(a) 37, (c) 1	..	+ 38	7,070
Do. lands	222	(b) 2	(d) 7, (e) 37	— 42	180
Total ..	7,254	40	44	— 4	7,250
Southern Circle.					
Reserved forests	4,632	(a) 119, (c) 2	(c) 8, (f) 2	+ 111	4,743
Do. lands	904	(b) 2	(c) 10, (d) 4, (e) 119, (f) 8	— 139	765
Total ..	5,536	123	151	— 28	5,508
Total.					
Reserved forests	18,107	191	10	+ 181	18,288
Do. lands	1,519	13	235	— 222	1,297
Grand Total ..	19,626	204	245	— 41	19,585

(a) Transferred from reserved lands.
(b) Newly constituted reserved lands.
(c) Revision of area.
(d) Excluded at settlement.
(e) Transferred to reserved forests.
(f) Disafforested or unreserved.

2. The total area under the control of the department fell during the year from 19,626 to 19,585 square miles. The decrease is due to the fact that portions of some of the areas previously proposed or selected for reservation were given up during the year in order to provide the neighbouring villagers with sufficient margin of unreserved waste land for extension of cultivation and for the exercise of communal privileges.

Reserved Forests.

One-hundred and eighty-eight square miles were newly constituted Reserved Forests during the year which, added to 3 square miles found in excess on a more correct computation of the areas notified in previous years, bring up the increase under this head to 191 square miles. On the other hand, an extent of about 2 square miles in the Nilgiris eastern slopes reserve of the *North Coimbatore* division, being found suitable and necessary for cultivation, was disafforested and 8 square miles had to be deducted in the same division owing to a more correct computation of areas. There was thus a net addition of 181 square miles during the year.

Reserved Lands.

The total area of reserved lands at the end of the year including 13 square miles newly added during the year was 1,297 square miles, of which 919 square miles were lands notified under section 4 and the remaining 378 square miles, lands reserved under the rules framed under section 26 of the Forest Act. The decrease of 235 square miles is due to the transfer of 188 square miles to reserved forest, to the abandonment of 36 square miles excluded at settlement for cultivation purposes and to the deduction of 11 square miles on account of revision of area.

As settlement now is drawing to a close, it is possible to state approximately the total area of forests which will eventually be declared permanent State forests. Thus we find that the total area of reserved forests and reserved lands in the Presidency is 12,534,430 acres. Adding to this the estimated area of 92 square miles (58,880 acres) which will be brought under reservation, the total forest area will eventually be 12,593,310 acres. The total area of the Presidency excluding feudatory and tributary states being 90,656,811 acres, the percentage of the total forest area to the Presidency area is 13·89 only. On the other hand, the percentage of the forest area to the total area excluding zamindari, whole inam villages and minor inams in ryotwari tracts is as much as 22·59. As, however, forests in zamindari and inam tracts cannot be relied on as forming a portion of the permanent forest area of the country, many of the zamindari forests having already been wholly or partially destroyed, the first-named percentage is the one which should be used in comparing the percentage of forests of the Presidency with a similar percentage in other countries. The percentage of forest to other area in the principal countries of Europe is as follows :—

Name of Country.	Area (hectares) (a hectare being equal to a little more than twice as many acres).	Percentage as compared with the country's whole area.
Whole of Europe	285,000,000	Nearly 30 per cent.
Russia	215,000,000	„ 40 „
Sweden	17,000,000	„ 38 „
Austria . } Hungary }	18,000,000	„ 30 „
Germany	14,000,000	„ 26 „
Norway	8,000,000	„ 24 „
France	9,500,000	„ 17 „
England	188 000	„ 3 „

It will be observed therefore that excepting England all the countries of Europe show a higher percentage of forest than will eventually be found in this Presidency; Russia having nearly three times a greater percentage, while that of Germany is nearly twice as much. Considering the now well-known and proved fact that there is an increase of 23·9 per cent. in the average annual rainfall over a period of 30 years in forest areas as compared with that on adjoining open or cultivated land; and the further proved fact that this percentage increases with the elevation up to a limit of about 7,000 feet, it might be well to further consider before it is too late whether all that is possible has been done to bring under permanent protection all large areas of hill and other forests in this Presidency, whether situated in Government or zamindari land.

2. Forest Settlement.

3. One hundred and ten blocks covering an aggregate area of 1,110 square miles remained to be constituted reserved forests at the commencement of the year and adding to this, new selections, namely, 32 blocks with an area of 32 square miles, there were on the whole 142 blocks comprising an area of 1,142 square miles to be dealt with during the year. Fifty-eight blocks covering an area of 188 square miles were constituted reserved forests and three blocks with an area of 3 square miles were abandoned in addition to 28 square miles excluded at settlement and 4 square miles deducted on account of a more correct computation of the area of some of the blocks notified in previous years, leaving 81 blocks with an area of 919 square miles to be declared reserved forest at the close of the year. Of these, 14 blocks comprising 23 square miles were notified under section 16 in 1905-1906, their reservation taking effect only after the close of the year, 4 blocks with an area of 16 square miles have since been finally notified under the same section and 33 blocks covering an area of 802 square miles have been practically settled, leaving 30 blocks with an area of 78 square miles to be settled. All these blocks are now being settled by the Revenue Divisional Officers, as the services of the Special Forest Settlement Officers were dispensed with from 1st April 1906.

The cost incurred during the year on account of the pay of the Special Forest Settlement Officers and their establishments and for the payment of compensation for private lands included within the reserves, etc., amounted to Rs. 22,475 exclusive of the cost of the Special Forest Settlement establishment entertained by the Board of Revenue.

Besides the 78 square miles mentioned above, 184 square miles of reserved lands in *Vizagapatam* and *South Canara* and 92 square miles of unreserved lands in *Anantapur* and *North Coimbatore*, or a total of 354 square miles remained to be settled at the close of the year.

3. Demarcation.

4. Six hundred and eight miles of boundary lines were demarcated at a cost of Rs. 10,851 against 1,753 miles at a cost of Rs. 18,749 in the previous year. The shorter outturn is mainly due to the work in several districts approaching completion. The average cost per mile for the Presidency was Rs. 17-13-6 against Rs. 10-11-1 in the previous year. The increased rate is chiefly due to stone slabs being used instead of cairns in *Gódávari*, *Kurnool East* and *Bellary*, as well as to the cutting of new lines in thick forest in the last-named district. There remained at the close of the year 965 miles still to be demarcated. The system adopted in demarcating the boundaries of reserved forests was as usual, clearing the lines and constructing cairns or planting stone slabs. A total length of 5,981 miles was cleared at a cost of Rs. 21,631 against 5,552 miles at a cost of Rs. 13,958 in the previous year. A length of 6,341 miles was cleared free of cost by Forest subordinates against 6,18 miles in the previous year.

4. Forest Surveys.

(a) *By Survey of India Party.*

5. During the year No. 19 Party continued the survey operations under the control of Mr. Hall, Deputy Superintendent, and as in previous years was divided into sections, each under the immediate control of a Provincial officer. The outturn of the work was as follows :—

District.	Triangulation square miles.	Traversing Linear miles.	Topography square miles.	
			Total.	Reserve Forests.
Gódávari	..	..	297·18	205·56
North Malabar	2,150	24·7	147·60	102·90
South Canara	..	..	46·67	19·50
Ganjám	70	..	288·58	205·04
Chingleput	..	..	51·76	39·82
Mysore-South Canara boundary ..	..	149	..	..
Total ..	2,220	173·7	831·79	572·82

The outturn and cost of the operations are compared with those of the two previous years in the following statement:—

Designation of work.	Area surveyed.			Cost rate per square mile.		
	1903-1904.	1904-1905.	1905-1906.	1903-1904.	1904-1905.	1905-1906.
				Rs.	Rs.	Rs.
Triangulation .. .. .. sq. m.	1,937	1,022	70	9	14	33
Do. .. .. .. sq. m.	..	..	(a) 2,150	..	..	6
Traversing .. .. .. l. ms.	247	29	174	19	31	28
Topography .. .. .. sq. m.	803	(b) 886	832	121	125	104

(a) Triangulation for Topography on 2 inches to a mile. The cost has been excluded from the total expenditure.
(b) Inclusive of 135 square miles test survey.

The large increase in the cost-rate of triangulation is due to the small area dealt with and to the fact that it was situated in *Ganjám*, the cost of conveying the triangulator and his men so far from headquarters forming a heavy charge. The decrease under the other items, specially topography, is mainly the result of reduction in the cost of superintendence and decreased expenditure for labour in the *Gódávari* district.

The actual expenditure of the survey year for 4-inch work, including cost of instruments, was Rs. 93,901, as compared with Rs. 1,10,424 in the previous year. The amount debitable to the Forest Department excluding the contribution of 30 per cent. by the Government of India is Rs. 66,499, as against Rs. 77,296 in the previous year. There was some improvement in the general health of the party as compared with the last field season, but the sections working in *North Malabar* and *Ganjám* suffered considerably from malaria. The season's work in all districts was verified by the District Forest Officers at the headquarters of the party at Bangalore. In *South Canara* and *Ganjám*, the verifications have not been finally completed, which will necessitate a large number of sheets being withheld from publication. Of the *Gódávari* district, 37 sheets will be submitted for publication and two withheld for further verification. Of the *Ganjám* district. six sheets will be submitted for publication and ten withheld for further survey and adjustment of boundaries. Of the *North Coimbatore* revision survey, eight sheets of arrears work have been mapped and will be submitted, thus completing this district. Of the *South Canara* district, fourteen are ready for publication. The sheets of *North Malabar* have not been drawn and perhaps it will not be necessary to map them on the 4-inch scale, as the work is now being incorporated with the survey which, in future, will be done on the 2-inch scale. Of the *Guntúr* district, one sheet was mapped and submitted for final publication. Of the *Chingleput* district, the four sheets surveyed have been mapped and sent for final publication.

A Conference was held at Bangalore during September 1905, at which the Conservators of Circles, the Deputy Director, Madras Revenue Survey, the Superintendent of Forest Surveys and the Officer in Charge No. 19 Party, Survey of India, were present to discuss the future programme and scale of Forest Surveys in the Presidency. Proposals were made and accepted by Government. They are: (1) that, after the field season of 1905–1906, the 2-inch surveys executed in connection with the general topographical survey of the country should be deemed to suffice for Forest Administration purposes; the cost of these surveys, it is understood, will be borne by the Imperial Revenues; (2) that a theodolite traverse of all external forest boundaries not already traversed by the Madras Revenue Survey should be carried out; (3) that as a special case the survey of the forests of Ganjám should be completed on the scale of 4-inch =1 mile.

(*b*) *By Departmental Survey.*

6. In *Ganjám*, a local surveyor was employed in surveying and mapping the country between the Mohiri hills and Berhampur and in preparing various small sketches and maps for departmental purposes. The surveyor in *Guntúr* surveyed 125 square miles, 104 of which were done with interior details for the preparation of working plans and the remainder included boundaries only. In *Kurnool West*, the surveyor-draftsman was as usual engaged in surveying the unsurveyed fields and fixing their correct positions in the reserve maps, and also in checking the discrepancies pointed

out by the Kurnool Resurvey Party in respect of the boundaries of some reserves and in marking the area burnt in Velgode Range in the Survey of India sheets. In *North Salem*, two surveyors were employed. They were engaged in tracing the two ghât roads and deviations in Tirumalaivadi-Kesaraguli road, in surveying certain smaller reserves not surveyed by Survey of India by theodolite and also enclosures in reserves and in checking reserve boundaries. In *South Salem*, two surveyors were employed during the year. One of them was engaged in surveying the coupes felled and to be felled in the Salem East and West ranges and the leased areas in reserves cultivated with special products, and the other in surveying two of the reserves not surveyed by the Survey of India Party. The plans and measurement books for these have been received and are being checked in the District Forest Office. In *South Canara* a surveyor was employed for a greater part of the year to help the Special Forest Settlement Officer. In *North Coimbatore*, 2·2 miles of chain and compass boundary survey of the area in the Bellaji Shola granted to Mr. R H. Morris for rubber cultivation was carried out by the District Forest Officer and Range offieer, Kollegal. In *South Coimbatore*, the surveyor completed the survey of the outer boundaries of five coffee estates and also the cleared areas of four others. In *Madura*, a surveyor of the Madras Survey Department was deputed towards the close of the year to survey the unauthorized cultivation in reserved forests of the Tandigudi Range.

CHAPTER II.—MANAGEMENT OF STATE FORESTS.

1. Regulation of Management.

(*a*) *Preparation and Control of Regular Working Plans.*

7. During the year working plans for 110 square miles were sanctioned by the Board and plans for 1,064 square miles were under preparation. Compared with the previous year, the outturn was less under both the heads and considerably so under the former. This is chiefly owing to there having been no special working plans officers at work during the year, except for six months in the Southern Circle, and partly to District Forest Officers having had no time to devote to this work, as their time was fully monopolized by their current duties which were heavier than usual in most districts owing to the increase in departmental working. Further, experience has shown that it is often advisable to test working plans by actual working before submitting them for sanction and this procedure necessitated several plans being returned to District Forest Officers instead of being submitted to the Board for sanction. An expenditure of Rs. 1,530 was incurred in connection with the work as against Rs. 2,118 in the previous year The area for which working plans have still to be prepared is estimated to be 9,723 square miles. The Board has recently ordered special attention to be paid to the preparation of rough provisional plans wherever possible.

The prescriptions of the working plans were generally adhered to, except for some deviations in connection with the area worked or the year prescribed for working, and these were in most cases sanctioned by the Conservators. In the *Northern Circle*, the working plan for the Augastinowgam plantation in *Ganjám* had to be departed from owing to the ravages of the borer and the root fungus, and that for the Mohiri hills was only partly carried out as it requires revision. In other cases, the deviations were due partly to want of preliminary preparation and partly to want of bidders for coupes. In the *Central Circle*, the following deviations were sanctioned by the Board:—(1) the alteration in respect of the area and years of working of Kávali and Srîharikóta working plans in *Nellore*, and (2) in the rotation of bamboo working circles of Gudiyáttam and Palmanér ranges in *North Arcot*. In *North* and *South Salem* and *North Arcot*, the plans were in arrears owing to the department having lost the railway fuel contract, with a view to meet which the plans were principally prepared. It is hoped, however, that the introduction of the depot system, and the departmental working of coupes for the supply thereof will make up these deficits and that the working will be brought up to date in some years. In the *Southern Circle*, the deviations in the plans of *North* and *South Coimbatore* are due to the plans being mostly found unworkable, and in *North Malabar* owing to large quantity of timber remaining on hand on account of the delay in obtaining the consent of the Mysore Durbar to the opening of depots in Mysore for the sale of the Wynaad timber.

The revised working plan for the Nilambúr teak plantations was sanctioned by the Board, and that for the Sandúr leased forests in Bellary was given effect to and is being worked in accordance with the prescriptions laid down.

The following plans are reported to require revision :—The working plan for the Mohiri hills in *Ganjam* and Talamalai range working plan in *North Coimbatore*. In the case of Méttupálaiyam and Bolampatti plans in *South Coimbatore* and the sandalwood plans in *North Coimbatore* reported in the previous year, the necessary data for the revision were collected and reconnaissance reports for some were also submitted and approved by the Conservator. The working plan for the Nandyal and Velgode working circles in *Kurnool West* returned by the Board was discussed at the conference in September last, and its revision was under consideration. Data for the revision of the sandalwood working plans of the Talamalai and Bhaváni ranges were collected, but the actual revision could not be undertaken within the year.

Only one original working plan was sanctioned during the year, namely, the one for the Atur range in *South Salem*, the system of working prescribed therein being *improvement fellings* in all bamboo areas and in certain timber and fuel working circles and *coppice with standards* in others, while manure leaf is to be supplied from pollarded coupes to be coppiced after five years of this treatment.

8. The following working plans were under preparation during the year :—

Northern Circle.—In *Vizagapatam*, working plans for 118·47 square miles were in progress. The working plans for the Peddápur range in *Gódávari* and for a portion of Yerramalais in *Kurnool West* were prepared and since submitted to the Board for sanction. Those for Rajahmundry range in *Gódávari* and for 55 square miles in Bellary range and 38 square miles of Rayadrug range in *Bellary* were completed, but were not submitted for sanction, pending results of test working of other similar plans in the district and the final settlement of a question relating to the decision of ranges to which they relate.

Central Circle.—A combined working plan prepared for the two ranges in the *Chingleput* district is under trial and, when the felling of coupes in conjunction with working of depots has been sufficiently tested and the necessary data collated, it will be submitted for sanction. The working plans for the Javadis, *North* and *South Arcot*, and for the Vellore East range, *North Arcot*, were tentatively introduced during the year and proposals for certain alterations in the former district plans were since submitted and approved by the Conservator. These plans will be submitted for sanction after the lapse of a year or so, when the possibility of working them has been proved. The Kallakurichi working plan was not completed owing to the transfer of Extra Assistant Conservator engaged in connection with it and to the absence of the District Forest Officer on leave.

Southern Circle.—Working plans for the Erode taluk and for the Doddasampagai reserve in *North Coimbatore* were undertaken, but not completed. In *South Coimbatore*, a preliminary plan for 210 square miles of the Upper Anamalai prepared by the Special Working Plans Officer and submitted to the Board, was returned for revision by the District Forest Officer.

(*b*) *Preliminary Working Plan Reports.*

9. *Northern Circle.*— A Preliminary working plan for Polavaram range, *Gódávari*, was under preparation. In *Kistna*, as reported last year, located clearance fellings continued during the year, to create demand and secure necessary statistics for the preparation of preliminary working plan reports. In *Guntúr*, statistics were being collected with a view to bring the further growth in babul areas under some kind of regular working plan. The plan prepared for Kottapatam was returned by the Conservator for revision.

Central Circle.—In *Cuddapah*, the reconnaissance report for Pullampet range received back from Conservator during the previous year was not taken up for preparing the working plan, as the District Forest Officer could not find time to do so; now that the district has been divided, however, progress will be made. In *Nellore*, the Rapur range working plan is still under tentative working. In *North Salem.* the reconnaissance reports for Hosúr and Dharmapuri ranges returned by Conservator and mentioned in last year's report were being modified and tested by coupe and depot working according to instructions given, and in *South Salem* the reconnaissance report

submitted for four reserves of Námakal range was returned by the Conservator for modification in the method of aligning coupe boundaries. In *Trichinopoly*, reconnaissance reports for 91 square miles during the year and for 34 square miles after the close of the year were submitted and approved by the Conservator.

Southern Circle.—Reconnaissance reports for two blocks of 73 square miles in Bolampatti range, *South Coimbatore*, were submitted to the Conservator and approved by him. In the *Nilgiris*, Mr. Cowley-Brown's report on the valuation surveys of the Eucalyptus plantations was submitted, and statistics were being collected for drawing up working plans for reserves requiring them. An enumeration survey of the sandalwood tracts in the Segur range was under preparation. In *Madura*, the preliminary report and map for the working plan for Kodaikánal and Tandigudi ranges were prepared.

(c) *Annual Plan of Operations.*

10. The annual plans of operations were generally adhered to except in the following instances:—

Northern Circle.—In *Ganjám*, the alignment of a circular forest road was abandoned; the construction of a rest-house in the Kariamba reserve was postponed to next year; and the supply of agricultural implements throughout Goomsur was not carried out pending the removal of some difficulties in connection therewith. In *Gódávari*, the purchase of a steam-launch was postponed owing to the late receipt by Government of the final design approved of by the Director-General of Stores. In *Guntúr*, several depots were opened and consequently certain works were abandoned to provide funds for departmental coupe fellings. In *Kurnool East*, 15 pairs of bulls provided in the plan were not purchased owing to the unfavourable season, construction of two roads and of a combined Range office for certain ranges were not taken up, the former for want of a competent surveyor to trace and estimate it and the latter owing to the proposed redistribution of ranges. Two tanks also were not repaired pending decision of the question of forming a Public Works Party for the forest engineering works in the Nallamalais. In *Kurnool West*, the alignment and formation of a road had to be stopped owing to the transfer of the Ranger specially deputed for that work. In *Bellary*, sandalwood was not collected departmentally, but certain trees were sold to contractors, and fuel depots in seven places were opened.

Central Circle.—Departmental collection of minor forest produce in Ráyachóti range, *Cuddapah* district, failed as it was not properly attended to for want of time by the Range officer, and it was not possible to discontinue leases of timber and fuel from reserves in Pullampet range as proposed for want of establishment to supervise the work. The Conservator, however, does not accept this explanation as satisfactory, as the Range establishment in Pullampet should be able to do as much as the Range establishment do in this direction elsewhere throughout the Presidency. In *Nellore*, six timber depots were abolished for want of demand and four fuel depots were opened. The proposed Range office building at Kávali was not constructed, as a portion of the new taluk cutcherry was made available for the location of the Range office. Twenty-eight out of the forty-one coupes prescribed for the year in *Chingleput* were not sold for want of demand. They are now being partly worked departmentally. In *North Arcot*, the construction of a few roads and buildings was postponed to provide funds for incomplete and more urgent works. In *South Arcot*, bamboos were leased out instead of being worked departmentally. Some of the new buildings provided were not constructed, as a larger expenditure had to be incurred in repairs and additions than anticipated. Fuel coupe working and construction of roads and buildings were a little short, owing to preparation being behind-hand and to prevalence of plague and frequent change of Range officers and illness. In *Trichinopoly*, the construction of a Deputy Ranger's quarters and shed for guards and watchers was postponed; the formation of a nursery at Esanai tope and planting in one reserve were abandoned. In *North Salem*, the construction of the ghât road from Anaibiddahalla to Anchetti was not undertaken, as the estimates and plans submitted to Government were returned, proposing certain deviations which are now being traced. Two works, viz., formation of a grass farm in Sanamavu reserve and sinking of a well in Natrapoliem, were not completed for want of rain in the former case and want of labour in the latter. Permanent demarcation of certain reserves was not undertaken, as the subordinates were fully engaged otherwise and as some reserves were not notified under section 16 during the year. In *South Salem*, some fuel coupes and many

timber coupes were not felled for want of a market for fuel and timber, the railway supply for which they were principally intended having ceased. Some of the roads and rest-houses budgetted for were not undertaken or were not completed for want of establishment in some cases, and in others, as they were not immediately required. Neither of these reasons, however, are, in the Conservator's opinion, satisfactory.

Southern Circle.—In *South Canara*, departmental working of fuel coupes was undertaken and the construction of certain out-houses and guards' huts was postponed to provide funds for more urgent works. The difficulties with the Mysore Durbar, already referred to, led to some deviations in *North Malabar* and the construction of Pavagguddai Serambi was postponed, one being built instead at Kolvalli. In *South Malabar*, certain works had to be postponed to supply funds for the supply of renewal of sleepers to the Madras Railway. The supply of timber to Kolar mines and the construction of a bridlepath were also not undertaken and the final demarcation of Silent valley had to be deferred, as it was not finally notified. In the *Nilgiris*, the carting of timber felled for supply to Kolar was not done for want of demand from the mines and on account of complications with the Mysore Durbar regarding opening of depots. In *North Coimbatore*, dead timber was not extracted, as most of that removed in previous years remained unsold, and a road was not repaired, not being considered urgent. In *South Coimbatore*, the proposal to fell and transport bamboos to Tanjore and Trichinopoly was abandoned being unremunerative, while the making of hay, purchase of bulls, metalling ghât road in Tunacadavu range, extension of two cart-tracks in Amroati working circle, construction of certain buildings and rest-houses, reclearing of boundary lines, etc., were not undertaken; other works, such as supply of renewal sleepers to the Madras Railway, manufacture of agricultural implements, spokes, felloes, windows, doors, etc., being undertaken instead; repairs to Nadupatti road, the construction of range office at Mount Stuart were also undertaken, although not provided for in the plan. In *Madura*, increased departmental operations for the supply of fuel to the Madura Mills and to the town fuel depot were undertaken, although not provided for as an operation for the year. In *Tinnevelly*, the chief deviations were the working of a coupe departmentally instead of through a contractor; also the road and building works provided for the year were not fully carried out for want of funds.

2. Communications and Buildings.

11. The following figures show the outlay on communications and buildings during the year under report as compared with those of the previous year:—

	1904-1905.	1905-1906.
	Rs.	Rs.
Roads and bridges	41,650	47,857
Buildings	70,747	88,534
Other works	13,691	8,407

The increase is noticeable under "Roads and bridges" and "Buildings". That under "Roads and bridges" is distributed mainly over *Cuddapah*, *South Salem* and *North Malabar*; while the increase under "Buildings" over *Gódávari*, *Guntúr* and *Kurnool East and West.*

(*a*) *Roads and Bridges.*

The important works of a permanent nature carried out in the *Northern Circle* were the construction of a road from Edurallapalle to Tekulabaru and another from Yeleswaram to Sododdi and the improvement of a cart-track in Peddápur range, *Gódávari*; and the completion of the road from Chelama to Bundlapanta in *Kurnool East.*

In the *Central Circle*, a road (11 miles) and a bridge were repaired in *Cuddapah*, while a road ($1\frac{3}{8}$ miles) in *Chingleput* was metalled. Pudipatlabylu road and Papasamudram cart-track in *North Arcot* mentioned in last year's report were completed and two new roads were constructed in *Trichinopoly.* In *North Salem*, the road from Denkanikotta to Samieri ($11\frac{1}{4}$ miles) was constructed and another forest road was repaired. In *South Salem*, a road from Atur town to the foot of the Kalroyans and a road joining the plains portion up the Kurumbapatti reserve to the Yercaud ghât road were constructed.

In the *Southern Circle*, the Pavagaddai-Chedleth-Muthanga road (18 miles) in *North Malabar* was completed and the Kottiyur-Kalikayam road commenced. In *South Malabar*, the Karulai bridge on the new Amarampalam road was built and $1\frac{1}{4}$

miles of road in the 1905 plantation was constructed. In *North Coimbatore*, the Kalkadambur-Uganiam road was continued, but not completed; some heavy blasting having still to be done near Uganiam. The tram line at Mount Stuart in *South Coimbatore* was extended by 6 furlongs. In *Tinnevelly*, the Mudaliaruthuchittar bridlepath was extended for 2 miles and 5 furlongs and the first 2 miles of Pápanasam ghât road were metalled and gravelled.

Besides the above, temporary tracks were constructed in most of the districts to facilitate inspections and carting of produce.

Tramways, etc.—The mono-rail introduced in the *Gódávari* district last year continued to work during the year, and as in previous years tramways carried wood in some portions of the districts of *Nellore* and *South Coimbatore*. The results of operations are recorded in Form No. 65. In *Gódávari*, 1,232 tons were carried or 1,192 ton-miles were run against 446 tons or 335 ton-miles in the previous year. Compared with the old system of transporting fuel by coolies, the results of working show a profit of Rs. 792 for the year under report. Deducting the loss of Rs. 328 incurred in the previous year, there was a net profit of Rs. 464 since its introduction. In *Nellore*, 6,425 tons were trammed or 28,912½ ton-miles were run against 7,831 tons or 31,324 ton-miles in the previous year in the Sríharikóta range and 9,156 tons or 13,212½ ton-miles against 10,252 tons or 18,307 ton-miles during the previous year in the Coast range. The decrease in the former range was due to the greater distance the wood had to be carried and that in the latter to the smaller yield of the compartments exploited during the year. Rs. 264 was spent in the purchases and repairs of miscellaneous tram materials. In *South Coimbatore*, the total quantity of timber trammed during the year was 1,612 tons or 7,660 ton-miles against 1,461 tons or 6,183 ton-miles in the previous year, of which 1,102 tons were carried by Government bulls and 510 by hired bulls. The increase was due to the carrying of all logs of previous year's fellings. The construction of a new timber slide in place of the one abandoned in 1902–1903 was under consideration and a line has since been cleared and surveyed. The results of working by tramway show, as in previous years, profit in *Nellore* and loss in *South Coimbatore*.

(*b*) *Buildings.*

The important works of a permanent nature undertaken in the *Northern Circle* were :—the completion of a rest-house at Rambha, out-houses at Russellkonda and a portion of rest-house in Kondalabonda in *Ganjám*; part construction of a Range office at Yelesvaram and construction of a rest-house at Tatilanka in *Gódávari*; part construction of a rest-house in the interior of the Venkatapuram reserve and another in Suryalanka, improvements to the Mogalutla bungalow, extension of Kondaviri hill bungalow, and construction of range quarters at Davupalli and servants' quarters to Kemidicherla bungalow in *Guntúr*; the part construction of a bungalow on the tunnel hill in *Kurnool East* and of a Range office and subordinates' quarters at Ernapad in *Kurnool West*, besides six pukka depot buildings in the former district and six in the latter; and completion of Nyalakota rest-house and rebuilding of Chinnakottapalli rest-house taken over from the Local Fund Department in *Anantapur*.

In the *Central Circle*, a Range office at Muttukur and the construction of a rest-house at Kullur near Somasila were in progress in *Nellore*. In addition to the above Malayalapatti rest-house in *Trichinopoly*, a sandalwood godown at Denkanikóta in *North Salem*, out-houses to Harur inspection bungalow, were the chief buildings constructed.

In the *Southern Circle*, the range quarters at Kuppadi in *North Malabar* and Nedumangalam in *South Malabar* were completed and a Serambi and out-house at Kolvalle in *North Malabar* and a rest-house at Rajagopalampatti in *Madura* were constructed. In *South Malabar*, the Attapadi rest-house, reconstructed during the year, was again blown up and the matter was under enquiry. Sirgagandi and Onnathittu resthouses in *North Coimbatore* and Sengalteri bungalow in *Tinnevelly* were commenced and partly constructed during the year.

In addition to the above, several minor works of a permanent nature, such as fuel depots, inspection sheds, forest guards' lines, etc., and temporary structures for storing produce and housing establishment were also constructed during the year.

(c) Miscellaneous Works.

The chief works done were the construction or deepening of wells to improve the water supply and the fencing of some topes and reserves and the uprooting of lantana in gardens.

3. PROTECTION OF FORESTS.

(a) General Protection.

12. The following statement shows the number and classification of forest offences brought to light during the year :—

Circles.	Cases taken into Court.				Cases compounded.				Cases undetected.				Total cases.				Grand total of cases.
	Injury to forests by fire.	Unauthorized felling or appropriation of wood and minor forest produce.	Grazing without permission or in tracts in which grazing is prohibited.	Other offences.	Injury to forests by fire.	Unauthorized felling or appropriation of wood and minor forest produce.	Grazing without permission or in tracts in which grazing is prohibited.	Other offences.	Injury to forests by fire.	Unauthorized felling or appropriation of wood and minor forest produce.	Grazing without permission or in tracts in which grazing is prohibited.	Other offences.	Injury to forests by fire.	Unauthorized felling or appropriation of wood and minor forest produce.	Grazing without permission or in tracts in which grazing is prohibited.	Other offences.	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Northern ..	25	1,185	503	148	3	1,605	1,219	203	146	113	23	39	174	2,903	1,745	390	5,212
Central ..	9	2,236	1,022	118	2	5,532	3,458	190	270	330	204	11	281	8,098	4,684	319	13,382
Southern ..	39	662	355	206	16	1,778	797	283	146	13	131	1	201	2,453	1,283	490	* 4,427
Total ..	73	4,083	1,880	472	21	8,915	5,474	676	562	456	358	51	656	13,454	7,712	1,199	23,021
Total for 1904-1905.	53	3,957	1,803	494	12	8,905	4,456	599	477	871	237	66	542	13,733	6,496	1,159	21,930

* Exclusive of 175 petty offences, the offenders concerned in which were let off with a warning.

The total number of new cases was 23,021. Compared with the average of the three previous years, the number of cases reported was higher by 708. The increase occurred mainly under "Unauthorized felling" distributed chiefly over *North Arcot*, *South Salem* and *North Coimbatore*. It was stated to be due (1) to better detection of unauthorized fellings from unreserved lands in *North Arcot*, (2) to increased thefts of firewood due to the unfavourable season in *South Salem* and (3) to the increased staff of temporary forest guards sanctioned during the year and partly to greater stress being laid on village officers' responsibility with regard to offences on unreserved lands in *North Coimbatore*. The variations under the other heads are not very noticeable. Under "Fires" and "Other offences" there was an increase of only 132 and 12 cases, respectively, over the average of the three previous years, while that under "Grazing" shows a small fall of 58 cases. There were 1,427 undetected cases against 1,651 in the previous year. The decrease occurred chiefly in *South Arcot* under "Unauthorized felling".

The number of cases pending at the beginning of the year was 3,874 and at the close 4,129, of which 1,685 were with Magistrates.

13. The following statement shows the result of cases brought to trial :—

Circles.	1904-1905.		1905-1906.		Percentage of failure.	
	Convictions.	Acquittals.	Convictions.	Acquittals.	1904-1905.	1905-1906.
Northern	1,254	127	1,256	198	9·19	13·61
Central	3,226	250	3,196	329	7·19	9·33
Southern	779	94	1,010	137	10·76	11·94
Total ..	5,259	471	5,462	664	8·22	10·83

Besides the 6,126 cases shown above, 511 cases were withdrawn under the orders of the District Forest-officers. The percentage of convictions obtained is 89·17 against 91·78 in the preceding year.

14. The following statement compares the number of cases compounded and the compensation fees realized with the figures of the previous year:—

Circles.	1904-1905.		1905-1906.	
	Number of cases.	Amount recovered.	Number of cases.	Amount recovered.
		Rs.		Rs.
Northern	2,433	18,382	2,586	30,437
Central	7,646	64,039	8,205	64,962
Southern	2,208	19,523	2,497	21,459
Total ..	12,287	1,02,444	13,288	1,16,858

The number of cases compounded was higher than in the previous year by 1,001 and the amount realized on account of compounding fees was also in excess of the previous year's amount by Rs. 14,414, due to the marked increase in the number of offences compounded and to somewhat heavier compounding fees being imposed as a deterrent punishment in the following districts:—*Guntúr*, *Kurnool East*, *Chingleput*, *North Arcot* and *North Salem*.

15. The punishments inflicted by Magistrates were, on the whole, satisfactory except in *Guntúr* and *South Canara* where some of the fines were neither deterrent nor proportionate to the damage done. As an example, one case of intentional firing, which burnt 45 acres of forest in the latter district, was punished with a fine of Rs. 10 only. Some of the more important cases that occurred are referred to below. In *Guntúr* a coupe contractor was prosecuted for illicit felling and on conviction was sentenced to pay a fine of Rs. 500. In *South Salem*, in a case of illicit removal of 240 sandalwood poles twelve accused were convicted and sentenced to undergo rigorous imprisonments for periods varying from two to four months. The case of illicit removal of sandalwood referred to in the previous year's report to be pending before the Head Assistant Magistrate, Tiruppattúr, had to be withdrawn as the accused absconded, but the sandalwood seized was confiscated. In *North Arcot*, in a sandalwood theft case the accused, five in number, were sentenced to rigorous imprisonment for terms varying from three months to one year. In *Tanjore* there was a noteworthy case of illicit felling with the connivance of the Forest subordinates of 31 casuarina trees in Vettangudi reserve, which ended in the conviction of a forester, a guard and three other persons who were sentenced to undergo imprisonment for periods varying from one day to four months and to a fine of Rs. 1,250 in the aggregate.

16. Rewards to informers were, as usual, sparingly granted. In *North Arcot*, in connection with information connected with a sandalwood case the informant was paid Rs. 50 as the case ended in conviction. In *Tanjore*, in connection with the illicit felling reported above rewards were made to the extent of Rs. 100 to the Police Inspector, Rs. 50 to the Ranger and Rs. 10 to the informant. In *South Canara*, rewards were granted in two cases, one of Rs. 40 to a Revenue Inspector for detecting an important case of illicit manufacture of catechu, and the other of Rs. 15 to a forest guard for detecting a case of illicit transport of timber beyond the limits of his beat at night. In *North Malabar*, some white cedar was illicitly felled in Attapadi reserve and two of the chief accused were fined Rs. 200 and Rs. 100, respectively.

(*b*) *Protection from fire.*

17. The system of fire-protection in all districts except Cuddapah was the same as that adopted in previous years, *i.e.*, fire-tracing of the boundaries, internal fire-line clearing and the appointing of fire-patrols to keep the lines clear and to be on the look out for fires. In Cuddapah, the system of burning a large area of the forest in strips of varying width in order to secure protection of the remainder and with a view to providing fresh grass on the area burnt, was tried. These operations resulted in some 650 miles of strips, covering an area of about 11 square miles, being burnt by the department, in order to secure protection of an area of 691,139 acres in which the operations were tried. It is reported that the year was rather unfavourable to the operations, owing to the amount of grass in the forests, and the average area burnt amounted to 658 acres per fire as against 284 acres in the previous year and 1,872 in 1903-1904. The total

percentage of failure was 10 as against 3·4 in the previous year, while the cost per square mile increased from Rs. 3-6-3 to Rs. 5-10-5. In the remaining portion of this district, the system introduced last year, viz., gangs for the upper hills and single patrols in the village to summon help, was followed and worked fairly well. Special traces were also made round the Tamba areas in the Seshachellam and the Veligondas.

The area of which protection was attempted amounted, as shown in Form No. 51, to 7,208 square miles against 6,509 square miles in the previous year. Of these, 6,772 square miles were successfully protected against 6,350 square miles in the previous year. The proportion of failures rose from 2·4 per cent. in the preceding year to 6·0 per cent. and was due to the comparatively long period of hot weather during the year. The proportion of failures in specially protected areas was also high, being 5·5 per cent. against 3·5 per cent. in the previous year. The cost per square mile successfully protected was Rs. 9-0-6 against Rs. 8-10-11 in the previous year.

18. The following statement shows the number and origin of the fires in the several districts :—

Division or Circle.	A. Fires caused by accident or through carelessness in burning fire lines.		B. Fires entering the forests by crossing exterior fire traces.		C. Fires beginning inside the reserves or fire-traced areas. Owing to carelessness or accident. By workmen employed in the forests, by purchasers of forest produce, and by hay-cutters.		By villagers, travellers, etc., passing through the forests.		By railway engines.		By lightning or by fire-balloons.	
	Number of fires.	Area burnt in acres.	Number of fires.	Area burnt in acres.	Number of fires.	Area burnt in acres.	Number of fires.	Area burnt in acres.	Number of fires.	Area burnt in acres.	Number of fires.	Area burnt in acres.
1	2	3	4	5	6	7	8	9	10	11	12	13
Northern Circle.												
Ganjám	8	47	16	1,049	3	42	12	67	..	..	..	..
Vizagapatam	..	..	7	18,828	2	5,203	2	8,320	..	..	..	..
Gódávari	26	13,934	18	10,182	4	120	27	6,101	..	..	..	..
Kistna	..	..	..	..	..	..	2	35	..	..	..	..
Guntúr	..	..	..	..	..	..	5	2,162	..	..	..	..
Kurnool, West	..	..	..	..	..	..	..	..	..	..	..	..
Do. East	20	1,074	2	300	2	1,400	..	..	..	..	..	..
Bellary	..	..	..	..	..	..	..	..	..	..	..	..
Anantapur	..	..	1	1	..	..	2	14	..	..	..	..
Total, Northern Circle ..	54	15,055	44	30,360	11	6,765	50	16,699	..	..	..	..
Central Circle.												
Cuddapah	..	..	9	6,400	..	..	..	..	..	..	..	..
Nellore	2	54	3	230	..	..	1	2	..	..	..	..
Chingleput	..	..	..	..	..	..	..	..	..	..	1	50
North Arcot	1	1,500	19	3,592	..	..	11	579	2	8	..	..
South do.	..	..	1	3	..	..	5	520	..	..	..	..
North Salem	1	3	1	31	..	..	3	577	..	..	..	..
South do.	..	..	..	..	..	..	..	..	..	..	..	..
Trichinopoly	..	..	..	..	..	..	..	..	..	..	..	..
Tanjore	..	..	..	..	..	..	..	..	..	..	..	..
Total, Central Circle ..	4	1,557	33	10,256	..	..	20	1,678	2	8	1	50
Southern Circle.												
South Canara	3	21	16	1,162	..	..	43	1,015	..	..	..	..
North Malabar	4	3,085	1	3,000	4	5,000	3	150	..	..	..	..
South do.	..	..	..	..	..	..	..	..	..	..	..	..
The Nilgiris	..	..	..	..	..	..	4	1,600	..	..	..	..
North Coimbatore ..	4	33	3	180	..	..	10	4,299	..	..	..	..
South do. ..	3	37	6	766	..	..	3	86	..	..	..	..
Madura	..	..	3	28	..	..	1	50	..	..	..	..
Tinnevelly	1	22	6	653	3	5	..	..	..	..	..	..
Total, Southern Circle ..	15	3,198	35	5,789	7	5,005	64	7,200	..	..	..	..
Total, Presidency ..	73	19,810	112	46,405	18	11,770	134	25,577	2	8	1	50
Total for 1904-1905 ..	24	2,804	63	17,614	18	1,088	83	15,797	1	5	10	2,559

Division or Circle.	C. Fires beginning inside the reserves or fire-traced areas—*cont.*										Total of A, B and C.	
	By intentional firing.								Causes unknown.			
	In order to obtain new grass.		In order to turn out game or to reduce cover.		Maliciously fired.		Total.					
	Number of fires.	Area burnt in acres.	Number of fires.	Area burnt in acres.	Number of fires.	Area burnt in acres.	Number of fires.	Area burnt in acres.	Number of fires.	Area burnt in acres.	Number of fires.	Area burnt in acres.
	14	15	16	17	18	19	20	21	22	23	24	25
Northern Circle.												
Ganjám	..	..	3	23	9	421	27	553	4	546	203	130,195
									148	128,000		
Vizagapatam	..	..	3	13,183	..	..	7	26,706	39	18,465	53	63,999
Gódávari	..	..	8	2,000	1	5	40	8,226	31	4,845	115	37,187
Kistna	..	..	..	..	..	..	2	35	..1	..	2	35
Guntúr	..	..	..	..	1	..	6	2,162		2	7	2,164
Kurnool, West	1	3	..	..	7	2,079	8	2,082	..	..	8	2,082
Do. East	..	..	..	..	1	40	3	1,440	3	1,010	28	3,824
Bellary	..	..	..	..	..	..	..	..	24	166	24	166
Anantapur	23	6,962	..	..	1	700	26	7,676	5	33	32	7,710
Total, Northern Circle ..	24	6,965	14	15,206	20	3,245	119	48,880	255	153,067	472	247,362
Central Circle.												
Cuddapah	24	14,406	..	..	2	88	26	14,494	71	48,856	106	69,750
Nellore	5	35	..	..	..	..	6	37	..	..	11	321
Chingleput	..	..	..	..	..	..	1	50	..	..	1	50
North Arcot	102	19,301	2	14	18	1,182	135	21,084	26	5,529	181	31,705
South do.	..	..	..	..	10	968	15	1,488	6	505	22	1,996
North Salem	1	2	..	..	2	250	6	829	10	743	18	1,606
South do.	20	8,656	..	..	..	..	20	8,656	18	3,595	38	12,251
Trichinopoly	..	..	3	114	..	..	3	114	1	20	4	134
Tanjore	..	..	..	..	..	..	..	..	..	..	..	..
Total, Central Circle ..	152	42,400	5	128	32	2,488	212	46,752	132	59,248	381	117,813
Southern Circle.												
South Canara	2	35	4	267	18	1,843	67	3,160	26	4,284	112	8,627
North Malabar	..	..	..	..	6	5,200	13	10,350	4	201	22	16,636
South do.	..	..	..	..	..	..	..	..	..	..	..	..
The Nilgiris	..	..	..	..	..	..	4	1,600	..	..	4	1,600
North Coimbatore ..	..	..	..	..	19	5,979	29	10,278	49	29,724	85	40,215
South do. ..	3	1,648	..	..	2	21	8	1,755	12	2,789	29	5,347
Madura	11	2,386	..	..	1	†..	13	2,436	8	976	24	3,440
Tinnevelly	3	3,000	..	..	18	2,647	24	5,652	4	296	35	6,623
Total, Southern Circle ..	19	7,069	4	267	64	15,690	158	35,231	103	38,270	311	82,488
Total, Presidency ..	195	56,434	23	15,601	116	21,423	489	130,863	490	750,585	1,164	447,663
Total for 1904-1905 ..	187	18,044	9	195	69	12,893	377	50,581	393	155,876	857	226,675

* Fires in partially protected forests. † Reported as not known.

The total number of fires and the area burnt were greater than in the previous year and the increase is noticeable under almost all the heads. There were three-times as many fires caused by accident or through carelessness of subordinates in burning fire-lines, the greater number occurring in *Gódávari* and *Kurnool East* due chiefly to the universally severe hot weather that prevailed, and in the former district it was also partly due to the indifferent work of the Rékapalle Range officer who has been reduced in consequence. In *Kurnool East*, however, the area burnt was small owing to the splendid success of the very efficient system of fire-lines cut and fire-traced under Mr. Cox's scheme and to the considerable help rendered by Chenchus in putting out the fires. It is also gratifying to note that these hill tribes are becoming useful forest labourers. In *North Malabar*, where a large area was burnt, a forester was dismissed the service for the apathy shown in connection with this work.

The major number of fires which entered the forests by crossing exterior fire-traces occurred in *Ganjám*, *Gódávari*, *Cuddapah*, *North Arcot* and *South Canara*, while the area burnt by such fires was largest in *Vizagapatam*. The Collector of Vizagapatam attributes the increase to the unfavourable season prevailing during the year, but the Conservator, Northern Circle, considers it to be the result of the non-payment of the rewards by Extra Assistant Conservator Mr. Tapp to the people for protection in the previous season. The increase in the number and area burnt by fires caused by villagers, travellers, etc., passing through the forests is contributed mainly by the districts of *Vizagapatam*, *Gódávari* and *North Coimbatore*. Though the increase in the total number of fires caused intentionally to obtain new grass was slight, the area burnt was considerably greater and is noticeable in *Anantapur*, *Cuddapah*, *North Arcot*, *South Salem*, *Madura* and *Tinnevelly*. This is mainly due to the hot season as already explained. In *Cuddapah*, closure of an area for six months was recommended by the District Forest officer as a punishment. In *North Arcot*, the villagers who were suspected to have set fire to obtain new grass could not be punished for want of evidence that the fire was due to incendiarism or culpable negligence. In *Tinnevelly*, two grazing compartments were closed to grazing and permits cancelled.

The increase in the number of fires caused in order to turn out game and the area burnt occurred mainly in *Vizagapatam* and *Gódávari*. The result of the prosecutions for malicious firing is given in the Appendix to Form No. 50.

(c) *Protection from Cattle.*

19. The areas open and closed to grazing in each district are shown in Form No 52 and the number and kind of animals grazed free or on payment of fees in the reserved forests and lands are noted in Form No. 53. The area closed to all animals during the whole year was 1,503 square miles against 1,621 square miles in the preceding year, and that for a portion of the year 38 square miles against 89 square miles in 1904–1905. The percentages of forests open to grazing and browsing to the whole area are 87 per cent. and 8·8 per cent. respectively. It has to be noted here that the forests of Nellore and Chingleput were, with the exception of specially protected areas, open to free grazing for three months of the year owing to the partial failure of the south-west monsoon.

Goats were excluded from the reserves in all the districts except *Kistna*, *Guntur* and *Bellary* in the Northern Circle, *Cuddapah*, *Nellore*, *Chingleput*, *North Arcot* and *North Salem* in the Central Circle, and *Madura* in the Southern Circle. In *Chingleput* goat-browsing was permitted only in the Royal Artillery range (320 acres) of the Kolathur reserve to keep down the growth. In *North Arcot*, permits for twenty-two goats only were taken apparently owing to the rate of 12 annas per head being considered too high. In *South Salem*, the area open to goats in the previous year was closed on account of the introduction of the working-plan, the unreserved wastes being found sufficient for goat fodder.

20. The following statement gives an analysis of the cattle impounded during this and the previous year with the average of the three years preceding:—

Districts.	From open forests.		From closed forests.				Total.		Average for three years ending 1904–1905.
			Holding permits for open forests.	Having no permits.	Holding permits for open forests.	Having no permits.			
	1904–1905.	1905–1906.	1904–1905.	1904–1905.	1905–1906.	1905–1906.	1904–1905.	1905–1906.	
Northern Circle.									
Ganjám ..	225	365	..	1,838	..	1,425	2,063	1,790	2 719
Vizagapatam ..	3,205	3,507	..	..	..	283	3,205	3,790	2,426
Gódávari ..	1,739	860	..	22	..	51	1,761	911	3,189
Kistna ..	2,840	3,499	488	1,517	..	2,572	4,845	6,071	8,004
Guntúr ..	4,414	6,983	1,216	2,189	2,386	4,094	7,819	13,463	
Kurnool, East ..	18,564	14,323	..	652	..	618	19,216	14,941	33,734
Do. West ..	17,503	24,593	..	328	..	519	17,831	25,112	
Bellary ..	12,318	11,776	..	63	..	72	12,381	11,848	16,826
Anantapur ..	8,208	8,570	103	1,717	200	1,070	10,028	9,840	16,410
Total, Northern Circle ..	69,016	74,476	1,807	8,326	2,586	10,704	79,149	87,766	83,308
Central Circle.									
Cuddapah ..	13,551	7,900	..	7,771	..	4,207	21,322	12,107	33,205
Nellore ..	10,047	9,796	1,233	14,451	824	9,340	25,731	19,960	38,087
Chingleput ..	4,771	8,207	376	428	881	285	5,575	9,373	5,500
North Arcot ..	16,003	17,994	997	6,483	619	9,179	23,483	27,792	26,921
South do. ..	21,797	16,035	59	449	213	319	22,305	16,558	31,771
North Salem ..	2,914	5,984	242	2,975	257	2,532	6,131	8,773	9,169
South do. ..	6,495	6,719	235	1,174	73	1,982	7,904	8,774	9,787
Trichinopoly ..	3,833	5,090	(a) ..	400	..	962	4,233	6,052	8,891
Tanjore ..	261	573	..	24	..	..	285	573	788
Total, Central Circle ..	79,672	78,298	3,142	34,155	2,867	28,797	116,969	109,962	164,119
Southern Circle.									
South Canara ..	1,371	1,188	..	77	...	268	1,448	1,456	1,189
North Malabar ..	156	53	..	9	..	..	165	53	137
South do. ..	..	..	..	39	..	105	39	105	47
The Nilgiris ..	146	859	387	11	234	15	544	1,108	710
North Coimbatore	7,314	5,847	..	1,575	..	2,573	8,889	8,420	7,654
South do.	2,291	1,619	..	47	..	210	2,338	1,829	3,746
Madura ..	11,544	9,192	..	2,560	..	6,543	14,104	15,735	14,971
Tinnevelly ..	1,535	1,543	191	2,951	164	2,655	4,677	4,362	4,362
Total, Southern Circle	24,357	20,301	578	7,269	398	12,369	32,204	33,068	32,807
Grand Total, Presidency ..	173,045	173,075	5,527	49,750	5,851	51,870	228,322	230,796	280,234

The number of animals impounded during the year was 230,796 against 228,322 in the previous year and 280,234, the average of the three previous years. The increase is chiefly noticeable in *Guntúr*, *Kurnool West*, *Chingleput* and *North Arcot*, while a marked decrease is noticeable in the districts of *Kurnool East*, *Cuddapah*, *Nellore* and *South Arcot*. In *Guntúr*, the increase was due to better supervision and to closure for the first time of the Kondavid reserve. In *Chingleput*, the increase was mainly due to the impounding of a larger number of goats on account of better supervision during the latter half of the year. In *North Arcot*, it was due to the employment of a larger number of watchers and guards, while in *Kurnool West* better protection was the cause. The fall in *Kurnool East*, *Cuddapah* and *Nellore* was due to the increased number of cattle licensed during the year, and that in *South Arcot* to less trespass due to better supervision.

(d) Protection against Injuries from Natural Causes.

21. The most serious injuries from natural causes which the forests and plantations of the department have suffered from during the year are undoubtedly the spike disease in sandalwood in *North Coimbatore* and the fungus (*Trichosporium vesiculosum*) in casuarina which attacked the plantations in *Nellore*, *South Arcot*, *Ganjám*, *Kistna* and *North Arcot*. This latter disease caused great devastation among the younger plantations in *Nellore*, where it was proved by the Conservator to be practically the sole and only cause of mortality which had been previously attributed to drought, borers and other causes. The case was similar in *South Arcot* plantations and all dead trees, many of which had no sign of fungus or other disease on the stem, invariably showed the spores of the fungus to be present on the roots. Rooting out all diseased trees immediately the fungus is detected would appear to be the best remedy at present, while as a preventive measure the planting of casuarina mixed with one or more fast-growing indigenous species such as *Pithecolobium dulcis* would seem to be indicated. No remedy has yet been discovered for the spike disease in sandal, but it has been noticed in Coimbatore that other species have been similarly affected. A brief account of the chief pests from which the forests suffered in the several circles is given below.

Northern Circle.—In *Ganjám*, in addition to the two pests *Trichosporium vesiculosum* and *Arbela tetraonis* in the Agastinowgam plantation, a new boring insect attacking the two-year old seedling was discovered and sent together with damaged specimens to the Imperial Forest Zoologist for identification. His report has not yet been received. The attempt made to stop the ravages of these insects and fungus pests by introducing a variety of tree-growth was persevered with and a large number of seedlings of various trees were successfully reared and planted out. The specimens of beetles damaging the *Xylia* in *Gódávari* were sent to Mr. Stebbing, Forest Entomologist, and identified by him to be longicorn (*cerambycidae*). As the beetles sent were noticed to be immature, mature specimens are now being collected. The damage to teak in general by the caterpillar identified as one of the jassids still continued, but the injury done is confined to the leaves. In *Kistna*, in addition to the borer which tunnels under the soil and cuts the plants just below the collar and mentioned in last year's report, the fungus disease was observed in the Gopavanipalem casuarina plantation and the trees affected are being felled. There was a marked decrease in the damage caused by the borer, but it cannot be said with certainty whether it was due to the burning of the debris after clear felling and preparatory to planting. As a further protection it was decided not to plant casuarina pure in future but to mix it with some other fuel species. In *Guntúr*, there was some damage caused by insects and it was found that the drying up of the crowns of the older casuarina trees was due to hard sub-soil being met with by the tap root. In the teak nursery plantation in *Kurnool East*, grubs and defoliating caterpillars attacked seedlings, but the damage was not serious. The spread of loranthus due to prolonged drought and fires was also noticed in the Division. The large leaved Mahogani (*Swietenia macrophylla*) in the Diguvametta bungalow compound was seriously attacked and killed by borer and there is only one tree surviving.

Central Circle.—In *Cuddapah*, the mole constructed last year to protect the Kodur plantation had been washed off and an estimate for the construction of a new one was being prepared. In *Nellore*, two parcels—one containing insects in different stages found in the casuarina trees in the plantations and another containing billets of casuarina wood attacked by insects—were sent to the Forest Entomologist to the Government of India who identified the insects as (1) *Arbela tetraonis*, the casuarina bark-eating caterpillar and (2) *Clania crameri*, a bagworm caterpillar. For a full description and method of dealing with these insects, he has referred the District Forest Officer to his "note on the casuarina insect pests of Madras" published in the appendix series of volume XXX of the Indian Forester and to "Departmental notes on insects which affect forestry", No. 3 (pages 423 and 438). He also advised that pruning should, if possible, not be undertaken in the plantations. With a view to check the insects and fungus *Trichosporium vesiculosum* which has severely injured the casuarina, instructions have been issued to make an enumeration of the dead trees in all compartments and to clearfell and eliminate the dead trees in certain compartments. In *South Arcot*, the mortality of casuarina trees in coast plantations due to fungus,

Trichosporium vesiculosum, continued and increased very seriously; and as usual prompt removal of dead trees, careful grubbing out of roots and early thinnings were done and these seem to have some effect in checking the disease, judging by results in one compartment of Fort St. David plantation. Bark borers (*Arbela tetraonis*) seem to be fewer this year. In *Tanjore*, the trees in the Tirumalaivasal plantations were attacked by insects, creepers and parasites and the two latter were partially cleared by forest subordinates. In *North* and *South Salem*, climbers and creepers, affecting standard trees in coupes and sandalwood trees on the Javadis and Yelagiris, Chitteris, Pachmalais and Kollimalais, were cut by the subordinates.

Southern Circle.—Several acres were cleared of creepers in *North Malabar* and of parasites in *South Malabar*. Attention was also paid to the insect pests and some useful information was recorded. In *North Coimbatore*, spiked sandalwood was felled, but the cause of the disease has not yet been determined. A similar disease was also noticed on other species. In the neighbourhood of Garivalam and Bailur *Anogeissus latifolia* was severely attacked by several distinct species of *Lepidopterous larvae*. Specimens were obtained and notes on the life history of various injurious *Lepidoptere* were collected. The larva of another species was found in the fruit of *Valanites Roxburghia*. The larva in this case is reported to live on the seed and emerge by eating its way through the hard endo carp. Defoliation of *Randia dumetorum* by the larva of a clear wing moth was also observed. In *Tinnevelly*, creepers were cut in all coupes worked over in 1903–1904 and 1905. In some of the coupes in the ghat forests a dense crop of Lantana and *Acacia Intsia* was observed to spring up as soon as the coupes were felled and choke the more valuable species.

4. Sylviculture.

(*a*) *Natural Reproduction.*

22. In dealing in a general manner with natural reproduction from seed in the forests of the Presidency, it is necessary to differentiate between the moist forests of the Western ghâts and coast and the comparatively dry deciduous forests of the East Coast districts and of the Central inland districts bordering on Mysore and the Deccan. In the first-named class of forests, reproduction from seed is always most prolific and satisfactory, the natural result of forests free from fire with a bountiful rainfall and a thick humus surface soil; and the year under report proved no exception to the rule. In the second class of forests, the year was generally rather unfavourable owing to short rainfall, a particularly long hot weather with an unusually high temperature which caused seedlings to die down in many districts, particularly in *Ganjám*. It has, however, to be remarked that the mere dying down of seedlings to the surface of the soil by no means proves that the root system of the plant is dead, as shoots often spring up from the apparently dead stem at the first rains, often merely to again die down at the next hot weather, which process continues until the root system eventually develops sufficiently to maintain moisture in the stem throughout the hot weather. It can therefore be readily understood from the above how a friable surface soil well covered by shrub vegetation helps the young seedlings to fight for existence against the long period of drought, and hence it is that in the deciduous forests natural reproduction from seed is generally satisfactory only in those areas which have been protected from fire and cattle for some years and where a friable surface soil is present. Even in these forests, however, seedlings are only visible as a rule under the protection of the shrubby growth of *Dodonœa*, *Webera*, *Randia*, etc., which appear to be Nature's nurseries for the reproduction of seedlings of the better class of trees, such as satinwood and *Hardwickia binata*; and numerous seedlings of one or other of these trees were personally observed by the Conservator in such situations in the *Cuddapah*, *Salem* and *Chingleput* forests during the year. On the other hand, these conditions although favouring reproduction of species such as the above, which support and grow up through cover, are not often suitable to a light loving species such as teak. In the following notes, natural reproduction from seed and coppice is dealt with in detail in each circle:—

Northern Circle.—In *Ganjám*, owing to the severity of the hot weather, the year was an unfavourable one. No trace late in the season could be found above ground of the millions of sal seedlings which the extraordinary seeding year of 1904–1905 produced. In *Vizagapatam*, in all the coupes under systematic treatment

natural reproduction was very fair, while reproduction from seed was also good in some of the agency portions of Golgonda and Palkonda ranges. In *Góddvari*, the mangrove seeded well in the Delta range and a large number of seedlings were seen everywhere before February, but several of them died during the hot weather. In the Rékapalle range, the natural reproduction was very poor owing to the prolonged dry season, but seedlings of the *Xylia* were coming up fairly on the hill sides. In Marrigudem range, the regeneration of Yepi (*Hardwickia binata*) in Bhadráchalam, Arlagudem and Tunikicheruvu reserves was fair and teak germinated fairly well round the Tunikicheruvu tank. Billoo (*Swietenia chloroxylon*) and somi (*Soymida febrifuga*) germinated extensively in Mallavaram and Sudikonda reserves of the Rajahmundry range. The main feature of the year, however, was very poor flowering and fruiting of Yegisi (*Pterocarpus marsupium*). In *Kistna*, reproduction from seed of the important species such as *Chloroxylon swietenia*, *Anogeissus latifolia*, *Albizzia amara*, *Hardwickia binata* was observed in the reserves of Bezwada range, but the growth of the seedlings was not good owing to unsatisfactory rainfall. The growth of coppice shoots in the several coupes worked in previous years was very satisfactory. The species that coppiced best was mushti (*Nux vomica*) in the reserves of Ellore range, the first year's shoot being 8′ to 9′ high. Reproduction of bamboos by spreading of the culm was very good in the reserves of Kondapalle, Kondur and Kottur. Reproduction from seed in the mangrove swamps which are subject to ebb and flow of the tidal creeks was good. In *Guntúr*, reproduction by coppice growth in the babul areas recently felled over was good or moderate according to the soil. In the better soils reproduction extended to root suckers. Along the salt creeks mangrove reproduction by seed was abundant again. In Satenapalle, reproduction from Yepi, (*Hardwickia binata*) sundra and anogeissus seeds was fair, though perhaps sundra is most dependent upon reproduction from root suckers. The season was too dry to favor reproduction of Yepi (*Hardwickia binata*) in Palnad and Vinukonda. In most of the coupes cut over, there was abundant reproduction from root suckers, but of inferior species mostly. In *Kurnool East*, all species except Yepi (*Hardwickia binata*) and Somi (*Soymida febrifuga*) seeded fairly abundantly although some of the seeds were immature owing to the prolonged and phenominally intense hot weather. Yegi (*Pterocarpus marsupium*) and Jettegi (*Dalbergia latifolia*) did not seed as profusely as they generally do. Natural reproduction by seed of teak, Yegi (*Pterocarpus marsupium*), Jettigi (*Dalbergia latifolia*), Nallamaddi (*Terminalia tomentosa* and *Anogeissus latifolia*) of the previous year continued to thrive in areas which escaped fire. In some of the open blanks in Cumbum reserve, teak seedlings were found here and there. Yepi (*Hardwickia*) reproduction of the year before last continued to thrive in all localities, where it came up especially in Uyyalavada, Cumbum and Veligonda reserves. Reproduction by coppice in all the felled coupes in the Railway Working Circle was promising, despite the prolonged hot weather. One of the most pronounced features in the plateau of the Railway working circle, is the marvellous way in which teak is spreading; the clean felling at Chelama some four years back almost looks like a plantation; the trees are now some 20—25 feet high and about 2 to 3 inches in diameter and have commenced flowering and seeding. In *Kurnool West*, seedling reproduction was satisfactory in almost all the ranges except in Owk range, where it was affected much by the tread of cattle and the recent fire occurrences and the want of successive good rains. The regeneration of Yepi (*Hardwickia binata*) was satisfactory in the Nandyal range and is doing very nicely in some of the coupes of the Yerramalais of about three to four years old, as protection has been very good; while in the Atmakúr range, the bamboo clumps in the valley near Indreswaram in Srisylem Working Circle seeded profusely and the ground is now covered with a mass of seedlings. In *Bellary*, in the specially protected Hardwickia block, Bellary reserve, which consists of 1,066 acres, the reproduction from seed was about 20 seedlings to an acre. Of these 5 per acre died and the rest were thriving well. In Bellary, Menchivi, Kontanapalle and Udegolam reserves, the reproduction was about ten seedlings to the acre of which one or two usually perished. The poor regeneration may be attributed to the heavy grazing, year after year. In Rayadrug and Dharmapuri coupes the coppice growth was fair and in the fenced coupes of Alur and Adóni ranges it was very promising. Reproduction by seed of *Dolichandrone crispa* appears in Working Circle Nos. I, II and III of Adóni range. There was little natural reproduction by seed in other parts and this was due to the excessive grazing and paucity of rainfall. Natural reproduction by coppice shoots

has been good in all the coupes which have been felled over and placed under special protection. In *Anantapur*, natural reproduction was, as in last year, poor generally.

Central Circle.—In *Cuddapah*, coppice reproduction in the coupes felled in previous years is generally good, more especially that of *Anogeissus latifolia*, while seedlings of *Hardwickia binata* are fairly plentiful under cover, but few are present in the open. In *Nellore*, reproduction from coppice in certain working plan areas was satisfactory and reproduction from seeds in certain blocks in the Veligondas reported last year as being set apart for the purpose was discouraging owing to the hard and impoverished nature of the soil. In *Chingleput*, the failure of the rains materially affected natural reproduction from seed and reproduction from coppice was, on the whole, satisfactory throughout all the coupes of the district and especially in the Tiruvallúr range. In *North Arcot*, in all the fire-protected blocks closed to grazing and in the inner slopes of the Javadis, natural reproduction from seed was fairly satisfactory and coppice reproduction of *Chloroxylon swietenia*, *Terminalia tomentosa*, *Anogeissus latifolia*, *Hardwickia binata*, *Pterocarpus marsupium* and *Santalinus*, *Strychnos nux vomica*, *Premna tomentosa* and *Albizzia amara* and *Odoratissima* was excellent. Owing to the successful closure against grazing many of the poorly-stocked areas and barren tracts had begun to reclothe themselves with thorny species which are the natural nurses of tree species. Reproduction of teak and sandal on the Javadis was good. In *South Arcot*, there is nothing of interest to add to what was reported during the previous year, but the prolonged dry season was unfavourable to seedlings in the plains. In the hills, sandal and teak seedlings in certain places were numerous. In *Tanjore*, reproduction from seed and by coppice was not satisfactory owing to the failure of monsoons. There was a good growth of *Memycylon edule* in Vettangudi. In *Trichinopoly*, in the padugai reserves along the Cauvery and the Coleroon, the natural reproduction of *Inga dulcis*, *Albizzia Lebbek* and *Cassia florida* from coppice and seed was vigorous, while seedling reproduction of *Acacia arabica* was good in damp places, especially in coupes felled during the year. In the upland reserves of the district, the coppice growth of *Albizzia amara*, *Chloroxylon swietenia* and *Mimusops hexandra* was good, but seedlings died down owing to drought and illicit grazing. In *South Salem*, natural reproduction from seed was poor owing to partial failure of rains and coppicing was not satisfactory.

Southern Circle.—In *South Canara*, regeneration by seed was fair all over the district; reproduction by coppice was fair in the Coondapoor range, but was not satisfactory in Udipi and Uppinangadi ranges owing to fires and the late commencement of rains. In *North Malabar*, natural regeneration was distinctly good on the whole, and in many parts of Begur and Chedleth a good crop of young vengai and black-wood plants is established. Although parts of Kurchiyat and Begur are well stocked with teak trees of all sizes, few seedlings can be found. The predominant tree of these forests is *Terminalia tomentosa* which springs up most rapidly from seed. A fine growth of *Hopea parviflora* mixed with *Shorea lacifera* was noticed along the river banks in Rampur reserve. In *South Malabar*, natural reproduction of *Hopea parviflora* and *Vitex altissima* in the sholas of Mannarghat range is reported to be specially good; and in the deciduous forests, vengai seedlings were plentiful and the reproduction of *Dalbergia latifolia* from root suckers and *Xylia dolabriformis* from coppice was specially good. In the Amarampalem range, the reproduction of all the valuable species was good and that of irul (*Xylia dolabriformis*) in Nilambúr was splendid. *Swietenia macrophylla* has begun to reproduce itself in the Pokote plantation and it is believed that this area can be restocked naturally with this tree. This is a very noteworthy fact which may lead to important results in connection with the extension of mahogany in the forests of the West Coast districts. In the *Nilgiris*, reproduction from teak seed in Mudumalai and Segur ranges was poor and that of other species was good; probably there is too much shade for teak. Coppice growth of all species in areas under improvement fellings in Mudumalai leased forest was excellent; coppice shoots were coming on very well in Coonoor and Ootacamund range plantations. Sandal growth from seed in Segur range was fair, so also the reproduction in the bamboo coupes; but the shoots were much damaged by wild elephants and sambur. In *North Coimbatore*, bad seasons and want of rain had an adverse effect on all natural regeneration. The coppice reproduction in the Gundal fuel coupes was a failure, while it was fairly good in Satyamangalam coupes. In the sandal coupes, reproduction by suckers has been poor owing to want of rain. Most of the principal species seeded well, but germination

was poor owing to drought. In *South Coimbatore*, reproduction by seed and coppice was generally good. In the heavier forests protected from grazing, teak and other species reproduce themselves excellently by naturally sown seedlings, but few survive owing to insufficient light. The canopy over patches of advance growth at Mount Stuart was opened and the result indicated that this treatment would bring about good natural regeneration. The patches will need reclearing annually until the teak gets its head well above the undergrowth. In *Madura*, reproduction from seed was good in the unworked evergreen forests, and coppice reproduction was satisfactory in the forests worked for fuel. In *Tinnevelly*, natural reproduction in the evergreen forests is good; black and white kongu *Bolanocarpus utilis* and *Hopea parviflora* seedlings in certain localities being particularly satisfactory. Regeneration from seed and coppice was good in the specially-protected areas and also in those babul areas from which goats are excluded; where goats were admitted regeneration absolutely failed.

(b) Artificial Reproduction.

23. The areas under plantations and topes, or subjected to cultural operations, are given in Form No. 54.

Regular plantations—Northern Circle.—The seedlings of casuarina and other species planted during the year in 37 acres of the casuarina plantation, *Ganjám*, did remarkably well, considering the want of rain. Mahogany and divi divi plants put out in previous years in Narasapatam fuel working circle, *Vizagapatam*, did not thrive well, while the jack plants in China Mangalam tope were in good condition. Forty-three and thirty-eight acres, respectively, of Bandamurlanka and Kandikuppa plantations in *Gódávari* were planted with casuarina during the year. In Kandikuppa plantation some trees were observed to die off in a line in the compartments in which the third year's watering was completed. Similar casualties of previous years were also noticed to be almost in a continuous patch. Poverty of the soil in that portion of the compartment was assigned as the cause. To test this, it was considered desirable to continue watering during the fourth year also. In *Kistna*, casuarina was planted in Gópuvánipálem, Kánukollu and Vémavarappád reserves over areas of 20, 14 and 4 acres, respectively, and sissoo in 5 acres of Malléswaram reserve. The casualties in casuarina were 35, 10 and 40 per cent., respectively, the large percentage of mortality in the former reserve was due to the damage done by borer, failure of rains and to the swampy saline nature of a good portion of the coupe operated on, while in the last it was due to bad planting and bad season. The casualties of sissoo were only $2\frac{1}{2}$ per cent. Teak, *Mangifera Indica* and *Albizzia Lebbek* planted in Bezwada reserve were promising, but those on the hill slopes were stunted. *Melia Indica* and *Albizzia Lebbek* in *Bezwada* and Jaggayyapeta extension reserves were doing well. In *Guntúr*, in Bápatla reserve, the protection afforded to old sissoo plantations enabled the vigorous growth from root suckers to assert itself. *Inga dulcis* seeds were sown broadcast and in nurseries, but were successful only in the latter. Other seeds such as palmyra, date, neredu (*Eugenia jambolana*) and cashew-nuts were sown in different parts with disappointing results. Margosa and soap-nut seeds were also sown, but owing to dry weather the results were not encouraging. In *Kurnool East*, three Chenchu centres in Chinna Mantrala, Pedda Mantrala and Maddipenta were formed with a view to start small plantations by forming nurseries and transplanting the seedlings in order to give employment to the hill tribes (Chenchus) and effect thereby their reformation and stoppage of fires. In the former, two teak nurseries were formed and the plants raised were transplanted. The reproduction was not successful owing to the lateness of operations and the total failure of the monsoon followed by an abnormally hot weather. The teak seedlings raised in the nursery in the Duguvametta teak plantations were planted in two plots having an area of 4 acres and watered throughout the year, but owing to the prolonged hot weather only a fourth of the plants survived and they were healthy and vigorous. Similarly in *Kurnool West*, plantations were opened at eight centres where permanent sources of water exist. In all these, work commenced during the year and consisted in clearing and fencing areas and sowing seeds in a portion of the areas thus cleared either in baskets, bamboo pots or in pits. Sixty acres in these were planted with seedlings of yepi, (*Hardwickia binata*) teak, yegi (*Pterocarpus marsupium*) and Nallamaddi (*Terminalia tomentosa*). In the Kuppagal and Tungabhadra plantations, *Bellary*, 1,600 and 600 seedlings, respectively, were transplanted during the year, of which only 700 and 200 plants survived. Sissoo,

Albizzia lebbek and casuarina were the most thriving species in these two plantations. As in previous year, seedlings of different species were supplied to the Public Works Department from the nursery in the Collector's office compound.

Central Circle.—In *Nellore*, 354 acres were planted with casuarina in the Coast range and 44 acres were replanted on account of the mortality from insect pests referred to in the last year's report. No fresh plantings were made in the Kollurpad plantation and last year's plantings are in a fair condition. In *North Arcot*, 91 acres of casuarina plantations near Vellore were planted with casuarina and *divi divi* seedlings. The plants raised in Chittoor nursery were put out in Chittoor reserve and they are thriving. In the Sáttúr reserve of Vellore East range, 12 acres were sown with seeds of *Cassia auriculata*, *Tephrosia purpurea*, *Melia Indica* and *Pongamia glabra*, but only the seeds of *Cassia auriculata* and *Tephrosia purpurea* germinated and the plants were thriving well. In *South Arcot*, 63·40 acres in Cuddalore coast plantations were planted with casuarina and 14 acres in which planting failed last year were replanted. Results were satisfactory. In *Tanjore*, 20,835 casuarina plants were planted in compartment No. 10 of South casuarina plantation and previous year's plants were maintained. In *North Salem*, the graft mango plants planted last year in the Andiyappanúr rest-house compound are thriving well and are in good condition. In *South Salem*, 15,731 plants of silver oak from the nursery in the Shevaroys central working circle were put out in compartment No. 2 and in the old plantation started in 1902, and almost all the plants are thriving well. A small area of this plantation was however burnt and about 500 plants were killed. The experimental nursery garden opened in Hastampatti last year was maintained during the year.

Southern Circle.—In *South Canara*, the growth in the two existing plantations was fairly good : a start has been made in planting rubber in Sómésh vara reserve. In *North Malabar*, 20 acres were planted with teak in Chedleth and Begur. About 115 acres were cleared and a portion was planted ; and in Kanoth 30 acres were sown with 24,000 jack seeds of which only 5,000 survive. In *South Malabar*, 120·30 acres were planted with teak in Karimpoya reserve and 3 acres with Hôpea and many casualties were replaced ; 129·84 acres were prepared but no planting could be done owing to the failure of timely rain. In *South Coimbatore*, the teak plantations at Karadivai, Kunnivai and Anapadi were cleared of grass and weeds and casualties among the seedlings were replaced. One new plantation of about 15 acres at Pillakal was cleared and planted with teak. In *Madura*, the growth in the existing plantations was good. Coppice reproduction in the fire-burnt areas in the Gundan shola blue gum plantation was also good. In *Tinnevelly*, about 1,000 clumps of bamboos were planted in Azhagarkoil valley; the growth of these and those planted two or three years ago was excellent. In Valliyúr reserve 1,617 bamboo clumps and 1,623 mahogany seedlings were planted ; the former are doing fairly well, but the latter are not thriving. The young casuarina plantation in Valliyúr was also doing well.

Taungya plantations.—Twenty-five acres of Pegha reserve, *Gódávari*, were brought under taungya operations during the year at a cost of Rs. 209. Many casualties occurred among the seedlings that survived at the end of the previous year. In *South Canara*, the Mahratties in return for the permission granted to them for kumari cultivation collected seeds of teak and other species ; they were reported to have been sown in the areas cleared instead of plants being put out. This was found to be a failure, possibly owing to the seeds never having been sown, and the system of putting out plants will be reverted to.

Cultural operations—Northern Circle.—In *Vizagapatam*, seeds of kondatangedu (*Xylia dolabriformis*), rela (*Cassia fistula*), karakai (*Terminalia chebula*) and somidi (*Soymida febrifuga*) were dibbled in certain reserves. In *Gódávari*, mangrove seeds were sown in about 242 acres of Coringa reserve and the seedlings that survived the hot weather were in a thriving condition. In *Kistna*, 12½ acres in four reserves of Ellore Range were strongly fenced, growth was cleared and mounds and pits were made and seeds of several species were sown. But the operation was a complete failure in two of the reserves owing to the carelessness and ignorance of the subordinates and in the other two, 80 per cent. of the seeds sown germinated but subsequently suffered severely owing to the failure of the monsoon and the unusually hot season. However, a large number of promising plants of yepi (*Hardwickia binata*), soapnut

and nim survive in these two reserves. A similar fate attended the sowing of fuel species in 100 acres of Kodurparra reserve. In *Guntúr*, *Inga dulcis* seeds were sown broadcast and in nurseries, but were successful only in the latter. Large quantities of palmyra, date, *Eugenia jambolana*, and cashewnut seeds were sown in different parts with disappointing results. *Pongamia glabra* seeds sown in nurseries are doing moderately well. Several measures of margosa seeds were sown broadcast; about 50 per cent. germinated, but few now survive owing to the excessively dry weather. The seedlings in nurseries are, however, doing well. Large quantities of soapnut seeds were sown. The germination was good, but, owing to the long dry weather, the results are not very encouraging. In *Kurnool East*, three plots were selected for cultural operations. One measuring about 12 acres was dibbled with teak seed in small pits and the other two, 4 acres and 53 cents, respectively, were furrowed and cross furrowed 6 feet apart and sown with teak seed. The germination in the latter two plots was poor and in the first plot successful. But owing to the intensely hot and prolonged summer most of the seedlings apparently died. After the recent rains, however, a small percentage have sent up new shoots which are vigorous and healthy. A large quantity of sandal seed was sown mixed with seeds of margosa, *Albizzia Lebbek*, and *Odoratissima*, *Pongamia glabra*, etc., along the banks of the Sagileru river amidst shrubs and bushes. The previous and current year's plantations were fenced with bamboos twisted and interlaced between wooden uprights. In *Kurnool West*, yepi (*Hardwickia binata*) seeds were dibbled in 1,600 pits in Veldurti reserve. The seeds germinated everywhere and came up well for a time, but owing to the severe heat there were many casualties later on. About 20 per cent. of those that persisted were reported to be doing well. Most of the yepi (*Hardwickia binata*) and margosa (*Melia Indica*) seeds sown in the coupes of certain reserves in Pattikonda range germinated, but died owing to the failure of the rains.

Central Circle.—In *Cuddapah*, jalari (*Shorea lacifera*) seeds sown in certain reserves did not germinate. In *Nellore*, 15,000 palmyra seeds were sown along the boundary lines in two reserves, but they did not germinate for want of rain. Casuarina seeds received from Rangoon were sown in two plantations of the Coast Range—50 per cent. of the seeds germinated, but all seedlings in one plantation died and in the other are reported to be doing well. In *Chingleput*, date and palm seeds were sown in the interior as well as in the coupes and boundary lines of certain reserves, but they proved a complete failure owing to want of rain, though a few seeds of the latter species still possess vitality and show signs of germination. These operations were also undertaken by the Revenue authorities in village porambokes over a scattered area of 40 acres and ended in a similar result. Arrangements are however being made to ensure progress in the propagation of date and palm seeds. Seeds of manure leaf and timber yielding species were sown broadcast or dibbled in felled coupes over an area of 800 acres. The result could not be said to be successful as the percentage of germination varied from 5 to 10 per cent. though in one or two exceptional cases of timber yielding species the percentage was estimated about 50 to 70 per cent. The failure was chiefly due to want of timely rains, while the success was mostly due to sowing under cover of shrubs and thorns. In *North Arcot*, seeds sown in blanks of coupes in Chittoor Range did not germinate on account of drought; 12 acres in Satur reserve of Vellore East Range were sown with seeds of *Cassia auriculata*, *Tephrosia purpurea*, *Melia Indica* and *Pongamia glabra*, but the seeds of the two former only germinated and the plants are thriving well. In *South Arcot*, the planting of blanks in forests by means of cuttings was continued during the year with varying success, which appeared to depend a good deal on the interest taken in the experiments by the Range officer in charge. In *Tanjore*, the previous year's palmyra, cashew and mango seedlings were in a thriving condition. In *Trichinopoly*, a nursery was opened near Lalapet plantation where seedlings of *Cassia florida*, *Albizzia Lebbek*, teak, casuarina, *Melia Indica* and *Inga dulcis* were raised. The plants were planted out in padugais and a plantation. They were doing well although there were some casualties on account of want of rain. The cultivation of manure leaf yielding species was tried in many reserves by ploughing and sowing, but the experiment was successful only in two localities. In *North Salem*, a large quantity of seeds of indigenous trees was collected and transported at a cost of Rs. 200 to Siddakarampatti for the purpose of establishing a manure leaf farm there for the supply of manure to the

lands irrigated under the Barur project in the Krishnagiri taluk. The seeds, however. were not sown for want of rain. The casuarina seedlings in a tope near Hosúr showed a tendency to wither, said to be due to drought. The Conservator is, however, of opinion that this was due to the heavy shade which suppressed them and which was ordered to be removed. In *South Salem*, seeds of indigenous species were sown in blanks of felled coupes in the various working circles, but the result was not satisfactory.

Southern Circle.—In *South Canara*, cashew nuts were sown broadcast in selected places in Coondapoor and Udipi Ranges; about 350 plants survived, the rest having been killed by fire and drought. About 800 palmyra seeds were put down along the boundary of the Kodiamale reserve. In *South Malabar*, 154 *Swietenia mahogani* were planted as avenue trees in Amarampalam Range; 38·65 acres were coppiced in Edacode and were partly planted with *Swietenia macrophylla* and blackwood. *Hopea parviflora* and *Ficus elastica* plants were put out in $3\frac{1}{2}$ acres in Edacode and 953 *Swietenia macrophylla* plants in Arivillikava. 15 acres were planted with cocoanuts in Beypore reserve at a cost of Rs. 164. In *North Coimbatore*, experimental sowings on ridges and pits in the Sullipalayam reserve on a small scale were continued but proved a failure. An attempt to plant up the swamps at Geddassal with *Eucalyptus globulus* obtained from the Nilgiris was begun and a thriving nursery started. A large number of seedlings were obtained and they will be planted out during the rains. In *Madura*, two areas of 40 and 25 acres respectively were cultivated with manure leaf shrubs during last year; the growth on the former was thriving and that on the latter failed for want of sufficient rainfall. Want of rain precluded the work being done on a large scale this year. However, 70 acres were ploughed and sown with Kolingi (*Tephrosia purpurea*) and Avaram (*Cassia auriculata*) seeds, but the result was a failure owing to the very dry season. In *Tinnevelly*, teak, vengai, and other seeds were sown in lines; in coupes recently felled the germination was fair, but a very large percentage disappeared during the hot weather. The sowing of palmyra seeds and the planting of banyan cuttings have been fairly successful. Vagai (*Albizzia Lebbek*) and other seeds were sown in Gangaikundan reserve; they germinated but died subsequently for want of rain; 3,342 mahogani seedlings were obtained from 13 lbs. of seeds sown. They started well but did not thrive when planted out.

(*c*) *Operations for the improvement of growing stock.*

24. Speaking generally the most important operation for the improvement of the growing stock which took place in all circles during the year was the steady progress made in abolishing the permit system and introducing in its place located fellings in conjunction with depots. This will have a marked beneficial result in time, both in respect to a better check over removals of produce as well as in the economical and sylvicultural working of the forests. Other operations undertaken in each circle during the year are given below.

Northern Circle.—Creeper cutting was effected as usual by the subordinates throughout the *Gódávari forests* except in the delta range where it was not required. Improvement fellings were made in Pegha reserve in *Gódávari* and in bamboo and fuel coupes in the Nallamalais in *Kurnool West*. In *Guntúr*, the fencing in of coupes, the cutting of stumps flush with the ground, the selection and pruning of standards were carried out in the babul areas. In *Bellary*, coupes were fenced in two ranges.

Central Circle.—In *Cuddapah*, thinnings in a portion of Kodur redwood plantation and cutting of creepers on teak and redwood trees were carried out. In *Nellore*, pruning of casuarina plants carried on in previous years although not prescribed in the working plan was stopped during the year, as the operation is both directly and indirectly injurious and aids the spread of the fungus disease as well as facilitates attacks by borers and other pests. In *Chingleput*, wherever necessary, weeding and cutting of creepers were done in felled areas. In *North Arcot*, the cutting of creepers affecting the standards in the felled coupes as well as sandal trees growing on the Javadies and red sanders in Mamandur forest was carried out. The removal of prickly-pear was also undertaken in the plantations of Vellore West range. In *South Arcot*, cleaning and thinnings of the bamboo clumps of the scattered plantings of 1895–96 were carried out in certain ranges. Casuarina thinning was not carried

out completely, as the work was rendered to some extent unnecessary as a sylvicultural operation owing to the large number of dead and dying trees, due to fungus. In the padugais of Udaiyarpalaiyam range, *Trichinopoly*, 257 bamboo clumps were cleared of dead culms and thorns. In *North Salem*, prickly-pear was removed in certain topes at a cost of Rs. 300 and creepers were cut in all the felled coupes and in all the sandal areas on the Javadies. In *South Salem*, hollow, crooked and useless trees were removed by improvement fellings conducted in two working circles of Salem East range and by fellings on the coppice with standard system in others, and bamboo blocks were leased out for felling systematically by contractors. The Nallur tope was freed from the thick growth of prickly-pear for the eradication of which it was leased out on cowle tenure for five years and the hedge was maintained and trees protected.

Southern Circle.—In *South Canara* creepers were cut over 1,400 acres in Uppinangady and Puttur ranges and abortive attempts were made to re-stock blanks by dibbling in seeds of several species. In *North Malabar*, creepers were cut over 3,465 acres and the plantations were weeded. In *South Malabar*, 694 acres of teak plantations were thinned according to the provisions of the working-plan; creeper cutting was done and weeding where necessary; 401 acres were cleared of parasites. In the *Nilgiris*, the rank undergrowth in the coupes under felling in the plantations of Ootacamund and Coonoor ranges were cleared to facilitate the growth of coppice-shoots and superfluous coppice shoots were removed in about 5 acres in Arambi plantations as an experimental measure. Unsound, hollow and crooked trees were taken out from 200 acres in Mudumalai range. In *South Coimbatore*, thinning was done in the teak plantation at the dam in the Tunacadavu range and unsaleable inferior trees were girdled in all fuel coupes. In *Tinnevelly*, creepers were cut by forest subordinates in all coupes worked over in 1903, 1904 and 1905.

25. As regards the arboricultural development of the more important reserves and the provision made for special forest requirements of each district or group of districts, Collectors generally refer to the operations undertaken under artificial reproduction and cultural operations, and as observed in the report for the last year, action is being taken in this direction as far as practicable, and more extended operations of this nature must await completion of working plans and other special works, such as successful fire-protection and the introduction of the system of located coupe fellings, which are now engaging a large portion of the time of the subordinates and the controlling staff.

(*d*) *Experiments.*

26. The results of experiments made with exotics and other plants are detailed hereunder:—

Acacia planifrons.—Sowing of seeds in *Guntúr* was not attended with encouraging results.

Agave ixtle.—The surviving plants in the Palmaner range, *North Arcot*, are doing well.

Bamboos.—In *South Canara*, the existing six clumps of *Bambusa longispathus* contain about 500 culms but are not really doing well. The eight young clumps of *Arundinaria Brandisii* in *South Malabar* are in good condition, but the four clumps of *Bambusa vulgaris* are not flourishing. The other species mentioned last year as found along river banks in that district are growing well, but are not of much commercial value.

Rubber trees—(*a*) *Landolphia florida.*—The 22 trees in *South Malabar* mentioned in the last year's report are doing well, but suffer constantly through the depredation of monkeys.

(*b*) *Ceara* (*Manihot glaziovii*).—The trees in Napier Park, *Ganjám*, have improved in health since last report. Of the plants on Kondapalli hill in *Kistna*, many succumbed to the hot winds and above 25 survive in good condition. In *South Canara*, 14 plants near the Alur rest-house are doing fairly well, some being 8 feet high. 2,050 seeds were sown in kumried areas in Puttur range, but only 25 plants survived, the tallest of them being 12 feet in height with a girth of 5 inches; 1,790

seeds were put down in Udipi range, but 147 alone survive. In *North Malabar*, no tapping was done. In *South Malabar*, the trees are gradually diminishing. In the *Nilgiris*, there are 15 well-grown trees in and around Benne nursery, and young seedlings have come up around them. Some trees in the compound of Satyamangalam range, *North Coimbatore*, which were reported to have died last year, have since produced new shoots and are vigorous. The plants at Mount Stuart in *South Coimbatore* seeded profusely during the year and thinnings and clearings were done in the plantation. In *Tinnevelly*, the growth at Kuttalam is very irregular, but the plants are all healthy.

(*c*) *Ficus elastica.*—Three attempts in *Ganjám* to obtain *Ficus elastica* from seed supplied from Assam proved unsuccessful. The trees in Manantoddy garden, *North Malabar*, were tapped by a planter; but the method adopted (the single herring bone) has not given good results. A line was cut in the Ontangudi reserve and cuttings planted on mounds at a distance of 40 feet apart; these however dried off owing to the hot season.

(*d*) *Hevea braziliensis* (*Para rubber*).—Two hundred and thirteen plants survive in *South Canara*, some are 5 feet high. In Manantoddy garden, *North Malabar*, there is one tree 8 years old which has begun to seed. In *South Malabar* 24 in Iravallikava and 1 on Nilambur hill are doing well. Seventy-four seeds were sown in the office nursery, but only 5 seedlings survived and these were planted out in the office compound. In the *Nilgiris*, 10 were planted as road side avenue trees.

(*e*) *Kicksia africana.*—There are 23 trees in *South Malabar*. They are much attacked by a boring caterpillar as reported last year and have a shrubby appearance.

(*f*) *Dichopsis elliptica.*—Enquiries in England made from *South Coimbatore* go to show that rubber of this species is not in commercial demand.

Date trees.—Twelve trees survive in *Gódávari* and in *Tanjore*; 132 plants mentioned in previous reports are thriving. In *North Arcot*, 5 trees died and the rest are not in a thriving condition.

Divi Divi.—The plants in *Vizagapatam* are not thriving, while those in *Gódávari* and *Nellore* are in a flourishing condition. In *North Arcot*, the plants in Kilminnel plantation continued healthy, but yielded only 5 candies of pods against 10 in the previous year; about 6,000 plants were put down in the plantations along with casuarina. Plants put out in previous years in Alambadi and Kariyanaicken padugais, *Trichinopoly* district, were in excellent condition and yielded 441 lbs. of pods; it is proposed to extend the species as they thrive in the plantations. The trees at Talamalai and Tattakarai in *North Coimbatore* are sound and bore flowers and fruit.

Durian plants.—There are 6 plants in the *Nilgiris* in good condition.

Eucalyptus globulus.—The trees in Palmanér plantation, *North Arcot*, are doing well, as also those at Talamalai in *North Coimbatore*. The few *Eucalyptus citriodara* in the latter locality are also thriving.

Jacquarandus.—The plants put out last year in *North Arcot* continue healthy.

Logwood.—The single plant, 5 years old, in Kandikuppa plantation in *Gódávari* is now 7′ 3″ in height and 8″ in girth. Of the 20 that survived last year, only 10 are now alive.

Euphorbia nivulia, Ficus mysorensis, Ficus tomentosa.—These species were tapped for latex which after drying was forwarded from *North Coimbatore* to the Reporter on Economic Products to be tested for caoutchout, but the reports received show that nothing of a commercial value can be expected from them.

Grewillia robusta.—The trees at Kuttalam and Nedugani bungalows, *Tinnevelly* district, are in good condition.

Mahogany.—The plants in *Vizagapatam* are not doing well. Sixteen only of last year's seedlings survive in *Gódávari*. In Rekapalli range, there are 25 in Rekapalli reserve and 23 elsewhere; transplantation in the reserve proved a thorough failure. The plants in *Kistna* are not doing well owing probably to want of rain. There are a few healthy plants in Bollapalle bungalow, *Guntúr*. In *Kurnool East*, the planting done in previous years has not been attended with favourable results. In *Kurnool West*, seeds were sown but only a few plants survive. The two mahagony plants planted

in the compound of the Atmakúr rest-house some years ago are doing well. They are now 10 and 13 feet high. At Rudrakodu 28 mahogany planted last year are growing well. The seedlings planted in 1895 in Kupgal plantations, *Bellary*, still survive though in a stunted condition and 8 plants of 1903 are doing well. Sowing in Hastanavaram tope, *Cuddapah*, proved a failure, 20 seedlings only remaining and these were not promising. Seeds were sown in Tammanapatam, Dugarazapatam and Kollurpad plantations and in a few compounds in *Nellore*; more than a third of these germinated and are doing well. The seedlings referred to as raised in the previous year's report in the Chittoor reserve, *North Arcot*, and put out in plantations are thriving. The trees in the plantations are also in good condition. Two hundred and ninety-five plants planted about 15 years ago in *Trichinopoly* are doing well, but require thinning. Two of the surviving plants in *Tanjore* died. In *South Canara*, the 21 plants near Wandse tannah are doing fairly well, their average height being 14 feet, as also 18 in Pilankar reserve and 56 in Kombar rest-house compound. From 1 lb. of seeds sown in the nursery in *South Malabar*, only 21 plants were obtained and put out in the office compound. In the *Nilgiris*, the young trees in Mudumalai and Benne forest stations were thriving very well, some having attained a height of 30 feet with 40 inches in girth at base. Of the plants that survived in Bolampatti range, *South Coimbatore*, 34 died during the year leaving 145, of which the largest is 28 feet high and 13 inches in girth. One pound of seed was sown at Anamalai and 129 plants survive.

Swietenia macrophylla.—The sowings in Vinukonda range, *Guntúr*, are discouraging. Seedlings are doing well in Hasanapuram tope, *Cuddapah*. In *South Canara*, 56 plants, 10 years old, in Pathur range are in good condition, one of them having fruited this year for the first time. Thirty seedlings were planted in the compound of Mudabail inspection shed. There are a large number of plants scattered about in Manantoddy garden, *North Malabar*, but they are not growing rapidly. In *South Malabar*, the big tree in Chathambarai, 33 years old, is 95 feet high and 89 inches in girth and has not yet flowered. In Pokoti plantations, natural seedlings were springing up near older trees which had seeded. Ninety per cent. of the trees in Pokoti and Edacode plantations have been barked by deer and sambhar. Eight thousand six hundred and ninety seeds were sown resulting in 5,750 plants. One thousand and seventy-five were sown at stake and have germinated. Of 10,176 plants planted last year only 1,564 survive. This large percentage of failure is due chiefly to the attacks of deer and sambhar which nip off the young shoots. There are only 396 seedlings in Amarampalem range.

Mr. Morgan's African plant.—Of six that survived last year, only three are now alive and healthy.

Paspalum dilatatum.—In *South Salem*, it is thriving well in the experimental garden at Hastanpatti. In *Trichinopoly*, the offshoots of the grass were put down in regular strips over an area of 5 acres and did well so long as they were watered, but during the hot season they died for want of regular watering. The cultivation is not remunerative when the expense of watering is taken into account. Two pounds of seeds were sent to the Deputy Director of Agriculture and 2 lbs. to Messrs. Burnett & Sons at Rs. 2 per lb. About 11,225 lbs. of grass were sold to the public for Rupees 28-1-0.

Peltophorum ferrugineum.—The plants in *Tanjore* are thriving.

Camphor—20 pounds of seed were obtained from Japan of which 15 germinated. Two hundred and forty-seven plants came up and were planted out near the Conservator's bungalow at Vizagapatam. Some are thriving splendidly.

These Californian seeds were got from the United States Forest Department by the District Forest-officer, *Madura*, and put out in the nursery. They have come up very well and about 20,000 seedlings were ready to be planted out. These are expected to thrive admirably on the Upper Palni plateau.

Pinus attenuator,	Pinus Toreyana.
„ monophylla,	„ Sabiniana.

Shorea robusta.—Only one plant survived in *North Malabar*.

5. Exploitation.

(a) System of Management.

(i) *Major Forest Produce.*

(1) *Clear or Regeneration Fellings.*

27. *Northern Circle.*—Clear fellings were carried out in 13·2 acres of Bandamurlanka plantation, *Gódávari*, and in 34 acres of coupes 6 and 7 of Gopavanipalem, 10 acres of Kanukolla, 6 of Vemarapad and 5 of Narasapur reserves in *Kistna*. In *Kurnool West*, plantation areas were clear felled excepting fruit trees and straight poles that would benefit by being left. Twelve coupes aggregating 1,140 acres in Adóni and Alúr Ranges of *Bellary* and coupes II of Illur reserve and III of Pamidi reserve, *Anantapur*, were also clear felled.

Central Circle.—Clear felling by area was conducted in the four casuarina plantations in *Nellore* assigned for exploitation in the working plan. The current year's coupes of the casuarina plantations in *North Arcot*, 60·05 acres in four compartments of the Cuddalore casuarina plantations, *South Arcot*, and four compartments of the casuarina plantations in *Tanjore*, aggregating 45 acres, were worked under this system. In *North* and *South Salem*, babul trees on 2 and 3 tank-beds respectively were clear felled.

Southern Circle.—1·87 acres of the casuarina plantation at Tanuirbhavi in *South Canara*, and 150 acres in Begur, *North Malabar*, and 129·84 acres in coupe II of Karimpaya reserve, *South Malabar*, were clear felled.

(2) *Selection Fellings.*

28. *Northern Circle.*—In *Ganjám*, three blocks were opened to the extraction of dead sal timber and in *Gódávari*, compartment II (*e*) of Bandamurlanka reserved forest was worked departmentally. Mature and dead casuarina trees were felled in block I of Bápatla and Karlapalem reserved forests in *Guntúr* and all burnt trees in Neelayapalli reserved forest. In *Kurnool East*, dead timber was extracted departmentally in felling coupes and fire lines in the Railway working circle and in the Cumbum and Uyyalavada reserved forests. 23,608 cubic feet of timber was cut departmentally in *Kurnool West* and 400 sandalwood trees in Ramandrug blocks in *Bellary* were removed under the contract system.

Central Circle.—In *Cuddapah*, red wood and other timber were extracted departmentally at a cost of Rs. 1,994. In *North Arcot*, 2,214 cubic feet of sandalwood was collected by selection fellings on the Javadis, 916 cubic feet of red sanders from Mamandur, and 4,141 cubic feet of timber elsewhere. Several of the bamboo blocks were sold to contractors under this system in *North* and *South Arcot*. The extraction of sandalwood and other species was undertaken departmentally in *North Salem* and two timber compartments in Tirupattúr Range and five topes in Hosúr were worked under this system. In *South Salem*, 111 sandalwood trees in unreserves and 11 logs in Thumbakal reserved forest were felled departmentally. In *Trichinopoly* and *Tanjore*, babul fuel was collected from tank-beds.

Southern Circle.—Selection fellings were undertaken in the following localities:—One timber coupe in Shiradi working circle in *South Canara*, three coupes in *North Malabar*, two coupes in *South Malabar*, in Mudumalai and Sigur Ranges of the *Nilgiris*, and one compartment of Tekadi leased forests and in lower Punachi and in Andiparai sholai forests in *South Coimbatore*; 200 first-class and 100 second-class timber trees were removed on contract in *Madura*.

(3) *and* (4) *Improvement and Coppice Fellings.*

29. *Northern Circle.*—In *Ganjám*, 3 coupes (72 acres) of pollard sâl forests were sold to contractors, and 2 coupes in Mohiri Working Circle worked departmentally under coppice with standards. In *Gódávari*, the coupes in Rajahmundry Range and one coupe in Coringa reserved forest were treated under the same system, while two coupes in Kandikuppa reserve were coppiced. Improvement fellings were undertaken in two coupes of Pegha reserved forest, thinnings in three coupes of Coringa and one

in Bandamurlanka and cleanings in one coupe of Kandikuppa. One coupe at Avanigadda Mangrove Working Circle, one compartment in Upputeru and all fuel coupes in Bezwada and Ellore ranges, *Kistna*, were felled under the coppice with standard system; fifty-eight coupes in *Guntúr*, twelve of which were worked departmentally were similarly exploited. In *Kurnool East*, five fuel coupes and all bamboo coupes in the Railway working circle and the bamboo areas in the three chenchugudems were worked under improvement fellings, as also the fuel and bamboo coupes in four ranges of *Kurnool West*. Six coupes in the latter district were worked under coppice with standards. In *Bellary*, sixteen coupes were worked departmentally under coppice with standards and 200 acres in Kottakóta working circle in *Anantapur* under improvement fellings.

Central Circle.—In *Cuddapah*, nineteen coupes were worked under coppice with standards and two coupes in Pullampet were coppiced. In *Nellore*, three compartments in Sríharikóta working plan were treated under coppice with standards and seven compartments in Rapur working plan coppiced departmentally. The remaining coupes in these and other working plans were worked by contractors under coppice with standards. Thirteen coupes in *Chingleput* were sold to contractors with standards marked. In *North Arcot*, improvement fellings were undertaken in three coupes and fifty-one coupes (3,318 acres) were coppiced, forty-two departmentally and nine by contractors. In *South Arcot*, fifteen coupes were worked under coppice with standards, three of them departmentally and the rest on contract. In *North Salem*, ten fuel coupes were worked departmentally under the same system and five by contractors, while improvement fellings were conducted in sixteen bamboo coupes. In *South Salem*, two coupes were treated under improvement fellings and the rest under coppice with standards, five of which were worked by contractors, who also worked eight bamboo coupes. Coppice with standards was adopted in twenty-two coupes of Trichinopoly and seven of Tanjore, twelve and four of which were worked departmentally.

Southern Circle.—In *South Canara*, nine coupes were worked departmentally under coppice with standards and sixty cents in Malliar Reserved forest in Puttúr range cut as a sample area. In the *Nilgiris*, blue gum trees in Ootacamund and Coonoor ranges were felled on pure coppice and fuel extracted departmentally. In *South Coimbatore*, twenty-six coupes and one sample area were cut departmentally under coppice with standards. In *Madura*, seventeen coupes were worked by contractors and eighteen departmentally three of which under a modified permit system whereby trees were felled flush with the ground by Government, and permit-holders allowed to remove the felled trees on payment of prescribed fees. In *Tinnevelly*, thirty-five coupes were worked, one departmentally and the rest through contractors.

(5) *Unregulated Fellings.*

30. Felling and removal of produce under permits continued in all districts except *Tinnevelly* and *South Arcot*. It was generally restricted to unreserved areas and areas not under working plans and to extraction of inferior species of timber, fuel and bamboos necessary for local consumption. In the following districts the issue of permits to reserves was restricted to certain kinds of forest produce only as given below :—For bamboos in *Bellary*, *North* and *South Salem* and in some forests of *South Malabar* and *South Coimbatore*; for third-class timbers in Sirvel range of *Kurnool West*, and for grass and thorns in *Kurnool East*.

(ii) *Minor Forest Produce.*

(1) *Miscellaneous produce.*

31. Minor forest produce was generally leased out to contractors or collected departmentally. In some few districts permits were issued. The manner of working this produce in each circle is noted below.

Northern Circle.—In *Ganjám*, the right of removing rela (*Cassia fistula*) bark alone was sold and no other sales except the leasing of topes of tamarind and mango trees were held. In *Vizagapatam*, the control of the collections was kept almost entirely in the hands of the department by issue of permits. The only lease granted was for collection of 100 cart-loads of tangedu (*Cassia auriculata*) bark. In *Gódávari*, minor produce

was, as usual, chiefly exported from Agency tracts and seigniorage levied thereon at prescribed rates. The minor produce in Polavaram range was leased out as in previous years. Babul gum was collected departmentally in *Kistna* and supplied to the Superintendent of Stationery as in last year. The Madras Railway Company and the Nizam's State Railway were, as usual, allowed to collect quarrying stone and metal in Bezwada reserve at an annual rental of Rs. 5 per acre. The Local Fund Department, and the Bezwada and Bunder Municipalities and the contractors on the Bezwada-Masulipatam construction branch were also permitted to quarry gravel and metal in Bezwada and Gundala reserves at the same rate. In *Guntúr*, gum, honey, wax and soapnuts were collected departmentally as in the previous year. In *Kurnool East*, most of the minor produce collected departmentally remained unsold for want of demand. In *Kurnool West*, the revenue collected was Rs. 42,636 against Rs. 36,153 of the previous year owing to better sales of tangedu, etc., barks and tree-tapping fees. In connection with the right of pre-emption for minor forest produce in the Nallamalais reserved by Government, it is to be noted that, though the question of outstandings of money said to have been advanced to Chenchus by the Sowcars still remained unsettled, good progress was made with the system of collecting minor produce departmentally through them.

Central Circle.—In *Cuddapah*, gallnuts, honey, wax, gum, etc., were collected departmentally at a cost of Rs. 1,173 and sold for Rs. 2,455. In *Nellore*, 5,760 maunds of minor produce in Sriharikota forests collected departmentally fetched Rs. 5,086 against Rs. 1,054 in the previous year, the increase being due to the large quantities of rattan bundles sold. During the year the Madras Harbour Trust Board was granted the exclusive right of quarrying in Tirusulam reserved forest in *Chingleput*. In *North Arcot*, 96 maunds of *Divi divi* pods were collected departmentally, as also the minor produce in the Mamandur forests. In *North Salem*, the tamarind produce of Tiruppattúr taluk and the tamarind, soapnuts and gallnuts of the Pennagaram Revenue Inspector's firka and in the Dharmapuri taluk was collected by departmental agency owing to want of satisfactory bids from contractors. In *South Salem*, gum was collected departmentally and supplied to the Superintendent of Stationery. *Divi divi* pods were collected departmentally in *Trichinopoly* and 509 maunds realised Rs. 274.

Southern Circle.—In *South Canara*, about 19 tons of catechu were manufactured departmentally at a cost of Rs. 3,144 and sold for Rs. 13,398 at Rs. 716 per ton, an exceptionally good price. Five maunds of cardamoms also were so collected and disposed of for Rs. 76. In *North Malabar*, produce was collected departmentally except in four reserves. In the *Nilgiris* also, departmental collection was undertaken and the produce sold on tender. Gallnuts were not collected owing to the fall in price of that produce. In *North Coimbatore*, the minor produce was collected by special departmental establishment as usual. In *South Coimbatore*, minor produce was generally collected by departmental agency, that in Pollachi range being leased by special arrangements to the Anamalai Planters Association. In *Madura*, no new leases for cardamoms were given during the year, but some of the previous leases had to be cancelled owing to the persistent default of lessees. Fresh leases for these lands have, however, since been entered into.

(2) *Extraction of Fodder.*

32. *Northern Circle.*—The pasture lands of three taluks in *Gódávari* were leased out as usual. In *Guntúr*, mangrove leaves were extensively used for fodder in Bápatla range and elsewhere and were removed on permits. Yepi (*Hardwickia binata*) leaves were cut during times of scarcity with the connivance of subordinates. In *Kurnool East* and *West*, permits were issued for grass, the collections however amounting to only about a third of the previous year's. In *Bellary* also, grass was removed under permits, while in *Anantapur* free removal was allowed.

Central Circle.—In *Cuddapah*, free removals of fodder grass were permitted. No departmental collection of fodder was made, but a portion of the balance of the produce was sold during the year. In *Nellore*, free removals continued till September 1905 in four taluks and Rs. 80 was realised on permits issued subsequently. In *Chingleput*, *North* and *South Arcot* and *North Salem*, free removal was allowed owing to the bad season, etc., but the concession was not largely availed of in the two last-named districts. In *North Arcot*, however, large removals were made and the

concession was much valued. In *South Salem*, removal of fodder grass on permit took place. In *Trichinopoly*, *Paspalum dilatatum* grass was sold for Rs. 28.

Southern Circle.—The right of collecting thatch grass, which is to a small extent used as fodder in *South Canara* was sold for Rs. 818 against Rs. 582 in the preceding year. Rs. 64 were realised in *South Malabar* by lease of grass in Chenat Nair. Permits were issued as usual for grass in Madura.

(3) *Hay-making.*

33. Hay-making operations in the presidency continued to be more or less on an experimental scale and this will continue to be the case until a definite policy is laid down in connection with the storing of fodder on a large scale in central localities not necessarily for immediate use in the year in which it was made but for supply in years of scarcity as recommended by the Famine Commissioners.

Northern Circle.—In *Guntúr*, the two presses bought two years ago were at work, and 428 tons of hay were cut and stored; the failure of the monsoons and want of demand prevented more being done. Two hundred and sixty bales of one cwt. each were hand pressed and sent to Vinukonda and other places. The total expenditure was Rs. 1,778 against Rs. 726 in the previous year and the receipts Rs. 910 against Rs. 226. The hay was sold at Rs. 10 per ton at Vinukonda, Rs. 8–2–0 at Balapalle. Elsewhere in depots it was ordered to be sold at cost price to make the operation a success, but still there were no appreciable sales. Samples of hay amounting to 2 cwts. 56 lbs were sent to the Military Department in Bangalore, but no orders were received during the year. The Officer Commanding 30th Lancers, Bangalore, has however since purchased 150 tons. The Board has also sanctioned the appointment of a Superintendent for the operations. In *Kurnool East*, 180 tons of hill grass were cut departmentally and converted into hay at a cost of Rs. 1,017 for feeding Government bulls in charge of the department. The hay was readily consumed by the cattle which kept their condition fairly well notwithstanding the severe hot weather. One and a quarter tons of the hay were sent to the Superintendent of Military Grass Farms at Bangalore as a specimen, but nothing was heard from him regarding its suitability for military purposes. Nothing fresh was undertaken during the year in *Kurnool West.* In *Bellary*, 224 tons of dried grass were cut and transported at a total cost of Rs. 1,868; Rs. 983 were realised by sale of 82 tons including previous year's balance. Thirty-five bales of spoiled hay cut and collected in previous years in Adóni range were sold for Rs. 80. In *Anantapur*, 17½ tons that remained unsold at the close of the previous year were auctioned for Rs. 2.

Central Circle.—In *Nellore*, experiments were conducted in Rapur and Kávali ranges. Six tons were collected in the former at a cost of Rs. 47–5–10. Of this two tons were carted at a cost of Rs. 3 to Nellore where they were sold for Rs. 20–8–0, yielding a net profit of As. 13–8 per ton. Even this profit would not have accrued had it not been that the work of turning and stacking was done by departmental agency. Four tons of hay was still lying in the forest for want of demand. In *Chingleput*, 13 tons were collected in Pondavakkam reserved forest at a cost of Rs. 22–9–10 but the stock was not disposed of during the year. In *North Arcot*, nearly 32 tons were collected in Vellore West range at a cost of Rs. 86–14–6 and disposed of in head loads for Rs. 122–7–2. In Vellore East range, 71½ tons were collected at a cost of Rs. 218–2–6 and auctioned for Rs. 197–4–0, there being no demand in retail. In Chandragiri about 1½ tons collected at a cost of Rs. 9–13–6 are lying undisposed of for want of demand. In *North Salem*, 17 tons were collected at an expenditure of Rs. 85–5–2; of which 10½ tons were disposed of for Rs. 82–5–6. There was no demand for the balance of this year's or the previous year's collections. In *South Salem*, Rs. 85–15–0 were spent in collecting 25 tons of hay and Rs. 52 were realised by sale of nearly 17 tons. For 3½ tons stolen with the connivance of subordinates Rs. 25 was recovered from those concerned; 6½ tons of last year's balance had to be written off during the year.

Southern Circle.—In *South Canara*, 4 tons were manufactured and brought at a total cost of Rs. 68 to Mangalore, where, however, only 1 ton 2 cwts. were sold for Rs. 14. In *North Coimbatore*, 11½ tons made in Erode Range at an expenditure of Rs. 54 fetched Rs. 116. In *South Coimbatore*, there was no demand for last year's hay, most of which was utilised as fodder for Government livestock.

(4) *Grazing.*

34. The following statement shows the revenue derived from "grazing and grass removals" during the year with that of the previous year:—

Circle.	1904-1905.	1905-1906.	Difference.
	Rs.	Rs.	Rs.
Northern Circle	2,22,769	2,45,938	+ 23,229
Central „	2,83,871	2,89,583	+ 5,712
Southern „	1,20,894	1,27,316	+ 6,422
Total ..	6,27,474	6,62,837	+ 35,363

All the three circles show an increase during the year compared with the figures of the previous year. The increase in the Northern Circle was chiefly in *Kistna*, *Kurnool East*, *Bellary*, *Anantapur*, while that in the Central and Southern Circles in *North Arcot* and *North Coimbatore* respectively. The increase in the districts of *Kistna*, *Kurnool East*, *Anantapur* and *North Arcot* was due to better supervision and check and to the influx of large numbers of cattle from the adjoining districts of Guntúr and Nellore to the second mentioned district. The prompt steps taken by all range officers in *Bellary* in the issue of permits during the grazing season and the earlier collection of grazing fees consequent on the employment of special itinerating permit officers in *North Coimbatore* contributed to the increase in those districts. In *Nellore*, only one block of 176 acres was leased out during the year under the "Kancha" system, the total area thus leased up to date being 18,212 acres. The decrease in Chingleput, which is heavy when compared with the average of the three previous years is said to be due to the forests having been opened to free grazing for about three months of the grazing season, although in Nellore where the forests were opened for about the same period no such decrease but a substantial increase occurred.

The decrease in *South Salem* is said to be due to mortality of cattle and certain areas having been closed to goats. The Conservator, however, considers that the decrease was mostly due to insufficient supervision by the district staff.

(*b*) Agency of Exploitation.

(i) *Departmental Agency.*

35. Forms Nos. 55 and 56 show separately the different classes of produce collected and Form No. 57 indicates the stock disposed of and the balance on hand at the close of the year. The exploitation by departmental agency was necessary for conducting improvement fellings as prescribed in the working plans, for reducing unregulated fellings in reserves, for demarcation and fire line clearings, and for the supply of fuel, etc., to railways, to sale depots established in many important places for the convenience of the public, to Government Jails, Municipalities and other public departments. The total quantity of timber and fuel, the number of bamboos and the value of the minor produce extracted departmentally were respectively 48·5, 8 and 3·9 per cent. of their respective total outturn through all agencies and the total value of the disposals of the year was Rs. 9,73,722 as compared with Rs. 7,06,986 in the previous year, which testifies to the rapid extension in the departmental system of working.

Transport was chiefly effected by country carts, ponies, coolies, drag bullocks and buffaloes, donkeys, railways and boats. Floating of timber and bamboos along the river was also resorted to in certain districts. The wood felled in the Bendamurlanka plantation, *Gódávari*, and in Sríharikóta, *Nellore*, was carried by mono rail and tram, respectively, to canal boats. In *South Canara*, *South Malabar*, and *South Coimbatore* timber felled was dragged by elephants to the river bank or to the carting places. Timber from the Anamalai Hills, *South Coimbatore*, was transported by tram, wire-rope and country carts.

Timber.—The quantity of timber exploited was 536,208 cubic feet or 119,003 cubic feet less than in the previous year, the decrease occurring chiefly in *Cuddapah*, *North* and *South Malabar* counterbalanced by increase mainly in *Guntúr*, *Kurnool East*, *Bellary*, *South Canara* and *South Coimbatore*. The decrease in *Cuddapah*, is due to less demand for timber and consequent smaller extraction; and that in *North Malabar*, to the large stock of the previous year that remained in hand owing to difficulties with

the Mysore Durbar regarding transport of timber into that State; and that in *South Malabar*, to a considerable stock of last year being held over for want of purchasers, to the small number of logs obtained in thinnings and to the smaller area clear felled. The increase in the districts mentioned above was due mainly to the carrying out of departmental fellings on a more extended scale for supply to depots started in the various centres.

Fuel.—The amount of fuel removed departmentally was 10,429,234 cubic feet against 9,794,023 cubic feet in the previous year. The increase is marked in *Kurnool West* and *Madura* and is also distributed over *Kistna*, *Guntúr*, *North Arcot*, *North Salem*, *South Canara* and *South Coimbatore*. More extended sales from depots accounted for the increase in all districts. In addition to this some increase in the supply to Railways occurred in *South Canara* and *Madura*, as also in the supply to the Madura mills from the latter district. This increase was partly counterbalanced by decreases chiefly in *Gódávari*, *Kurnool East*, *Bellary* and *South Malabar*. The decrease in *Gódávari* was due to less yield from the coupes; in *Kurnool East* and *Bellary* to the large stock that remained at the end of the previous year and in *South Malabar* to the Madras Railway discontinuing the burning of wood fuel.

Bamboos.—The number of bamboos extracted departmentally was 2,574,515 or 1,910,439 more than in the previous year *i.e.*, nearly four times the quantity collected during 1904–1905. *Kurnool East* and *West* and *North Salem* mainly contributed to the increase owing to more extended departmental working of bamboo coupes for supply to depots.

Minor produce.—The produce collected was 131,364 maunds (of 25 lbs.) or 67,756 maunds less than in the previous year due to smaller collections chiefly in *Gódávari* and *Coimbatore North*, and to the fall in the value of gallnuts in the latter district. This decrease was partly counterbalanced by increase chiefly in *Guntúr* where gum and soapnuts were largely collected departmentally.

The supply of firewood and timber for agricultural implements to the rural population and to the ryots is detailed in chapter V.

(ii) *By Purchasers.*

36. The prepayment permit system is reported to have worked satisfactorily in *Kistna*, *Bellary*, *Nellore*, *North and South Arcot*, *North and South Salem*, *Trichinopoly*, *Tanjore* and *South Coimbatore*; but in *North* and *South Arcot* this system is confined to the issue of permits for grazing and manure leaves in reserves. In *Chingleput*, the post-payment and the prepayment systems are in force, the former extending throughout the district, while the latter is confined to small areas, as most of the permit-issuing officers have pleaded inability to make prepayments. Only one coupe was felled during the year under the modified permit system, the permit-issuing officer being stationed in the coupe and fuel cut under the supervision of the department. The removals on permits continue in *North Coimbatore* in all localities where sale depots have not yet been established. With the exception of *Gódávari*, other districts make no complaint about the prepayment system. In *Gódávari*, however, the system having been found unworkable, the post-payment system was reverted to during the year. Considerable progress has been made during the year in the replacement of the permit system by located fellings in coupes worked through contractors or departmentally, and in fact in some of the districts the system has been practically abolished. The checking and recovery of permits issued vary generally between 50 and 75 per cent., but in the districts of *Gódávari* and *Nellore* 95 and 90 per cent., respectively, of permits issued were recovered which is evidence of efficient check. The total value of sales was Rs. 5,95,158 from major produce including bamboos and Rs. 13,03,891 from minor produce, showing a decrease of Rs. 1,65,565 in the former and an increase of Rs. 82,949 in the latter over the preceding year's actuals. The decrease under major produce was distributed chiefly over *Gódávari*, *Kurnool East*, *Kurnool West*, *Kistna*, *Nellore*, *South Coimbatore* and *Tinnevelly* and was due to the smaller removals of timber from the unreserves of four ranges of *Gódávari*, to the partial abolition of the permit system and the introduction of the system of departmental extraction in *Kistna*, *Kurnool*, *East* and *West*, to the non-sale of the standing growth in the casuarina plantations of the coast range, *Nellore*, owing to the prevalence of insect pests and to the comparatively low prices realized for the growth sold in

auction in that district, to the smaller demand for bamboos during the year in *South Coimbatore* and to the lower bids for almost all the fuel coupes in *Tinnevelly*. The increase in minor produce arose chiefly in *Anantapur*, *Nellore*, *North Arcot* and *Trichinopoly*. The increase was due in *Anantapur* to the revival of the tanning trade, in *Nellore* to the flourishing state of the mica industry and to larger realization from tangedu bark, in *North Arcot* to the removal of larger quantities of leaves used as plates, avaram bark and manure leaves and in *Trichinopoly* to the keen competition amongst contractors.

The sales of confiscated produce are recorded in Form No. 72-B and show an increase of Rs. 4,903 over the amount realized in the previous year. This was due chiefly to the realization of more revenue from drift wood leases and to the crediting in the current year's accounts of certain lease amounts outstanding at the close of the previous year in *Gódávari* and to the sale of some confiscated boats in *South Canara*.

(iii) *Rights and Privileges.*

37. The following abstract statement shows the estimated quantity and value of produce removed under this head :—

—	Timber.		Fuel.		Bamboos.		Minor produce.	Grazing.	Total value.
	Cubic feet.	Value.	Cubic feet.	Value.	Number.	Value.	Value.	Value.	
		Rs.		Rs.		Rs.	Rs.	Rs.	Rs.
Northern Circle	1,311	97	257,510	4,825	20,489	115	38,450	1,309	44,796
Central ,, ...	..	..	..	..	..	..	..	1,166	1,166
Southern ,, ...	96,404	37,858	51	3	1,600	16	11	807	38,695
Total ..	97,715	37,955	257,561	4,828	22,089	131	* 38,461	* 3,282	84,657

* These figures are the totals of those given in the Collectors' reports. The variations between these and the figures entered by them in Form No. 56 have not been explained.

The value of produce removed under rights and privileges is estimated at Rs. 84,657 against Rs. 92,887 in the previous year.

(iv) *Free Grants.*

38. The following abstract shows the quantity and value of produce removed by free grantees :—

—	Timber.		Fuel.		Bamboos.		Minor produce.	Grazing.	Total value.
	Cubic feet.	Value.	Cubic feet.	Value.	Number.	Value.	Value.	Value.	
		Rs.		Rs.		Rs.	Rs.	Rs.	Rs.
Northern Circle	31,957	2,969	606	..	133,077	708	412	214	4,303
Central ,, ...	57,809	6,204	200	12	82,820	1,038	140	..	7,394
Southern ,, ...	14,688	2,332	2,800	* 163	4,417	272	98	..	3,273
Total ..	* 104,454	11,505	* 3,606	175	* 220,314	2,018	* 650	* 214	14,970

* These figures are the totals of those given in the Collectors' reports. The variations between these figures and those given by them in Forms Nos. 55 and 56 have not been explained.

The estimated total value of the free grants was Rs. 14,970 against Rs. 22,249 in the previous year. No grants were made in *Anantapur*, *Tanjore*, *South Malabar* and *Tinnevelly*. In other districts the grants were made chiefly to poor ryots for rebuilding houses and huts destroyed by fire, more especially in *Guntúr*, *Cuddapah*, *Nellore* and *Chingleput*; while in *Bellary* district, poor people were allowed grants for the construction of health camps outside towns and villages infected with plague and poor ryots in *Chingleput* were also allowed free grants of timber for constructing picottahs for baling water owing to the bad season. In *South Canara*, Rs. 129 worth of materials were given for building a chattram, temples and a mosque, which the Conservator thinks hardly suitable purposes for free grants. In *North Malabar*, 8,726 cubic feet of timber of the value of Rs. 1,815 was given to the Malabar District Board for the construction of a bridge at Begur.

(*c*) OUTTURN AND SOURCES OF FOREST PRODUCE.

39. The following abstract shows the total outturn of timber and other produce collected during the year under report and the previous year from reserved forests and from reserved and unreserved lands:—

(*Forms Nos.* 55, 56 *and* 72-*b*.)

Agency of exploitation.	Timber in cubic feet including sandalwood.		Fuel in cubic feet.		Bamboos in numbers.		Minor produce inclusive of grass and grazing (gross value in rupees).	
	1904–1905.	1905–1906.	1904–1905.	1905–1906.	1904–1905.	1905–1906.	1904–1905.	1905–1906.
1	2	3	4	5	6	7	8	9
By Government agency ..	655,211	536,208	9,794,023	10,429,234	664,076	2,574,515	47,216	55,877
By purchasers (including confiscation)	2,262,115	1,833,361	10,849,284	9,354,459	34,950,299	29,238,058	12,22,429	13,05,281
By right holders	120,711	97,715	257,577	257,561	21,639	22,089	41,517	41,027
By free grants	90,463	95,877	2,933	3,406	190,873	249,024	2,152	559
	3,128,500	2,563,161	20,903,817	20,044,660	35,826,887	32,083,686	13,13,314	14,02,744

The results show a decrease in all the major produce and an increase in the minor produce. These variations have already been explained.

The rates of grazing fees levied in the several districts are shown in Form No. 53. The number of animals licensed to grazing on payment was 3,521,895 against 3,285,579 in the previous year.

CHAPTER III.—FINANCIAL RESULTS.

40. The financial results of the Presidency compared with those of the previous year and with the average of the five years preceding show a net decrease of Rs. 25,901 and Rs. 28,966, respectively—

—	Years.					Average per year.	1904–1905.	1905–1906.
	1899–1900.	1900–1901.	1901–1902.	1902–1903.	1903–1904.			
Revenue.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
Northern Circle	7,13,954	7,79,146	8,86,581	8,64,915	8,94,216	8,27,763	9,61,129	10,42,252
Central ,, ...	9,63,093	9,34,847	10,22,586	10,17,632	10,01,313	9,87,894	10,62,715	10,79,938
Southern ,, ...	6,36,460	7,29,780	5,87,327	7,10,232	7,95,042	6,91,768	8,06,698	9,14,702
Total ..	23,13,507	24,43,773	24,96,494	25,92,779	26,90,571	25,07,425	28,30,542	30,36,892
Expenditure—"A. Conservancy and Works."								
Northern Circle	2,29,397	2,13,108	2,31,660	2,55,084	2,91,822	2,44,214	3,85,279	4,78,135
Central ,, ...	2,35,449	2,76,620	3,20,428	2,92,415	2,56,418	2,86,266	3,10,959	3,43,121
Southern ,, ...	3,17,555	3,86,322	3,35,137	4,24,886	3,89,481	3,70,677	4,81,924	5,58,575
Total ..	8,32,401	8,76,050	8,87,225	9,72,385	9,37,721	9,01,157	11,78,153	13,79,831
Expenditure—"B. Establishments."								
Northern Circle	2,65,661	2,57,146	2,58,497	2,59,801	2,80,763	2,64,374	2,93,777	3,16,403
Central ,, ...	2,94,553	3,14,479	3,10,844	3,10,342	2,94,846	3,05,013	3.04,821	3,06,048
Southern ,, ...	2,95,581	2,90,515	2,89,555	2,84,027	2,79,095	2,87,754	3,07,729	3,14,449
Total ..	8,55,795	8,62,140	8,58,896	8,54,170	8,54,704	8,57,141	9,06.327	9,36,900
Total of A and B.								
Northern Circle	4,95,058	4,70,254	4,90,157	5,14,885	5,72,585	5,08,587	6,79,056	7,94,538
Central ,, ...	5,80,002	5,91,099	6,31,272	6,02,757	5,51,264	5,91,279	6,15,771	6,49,169
Southern ,, ...	6,13,136	6,76,837	6,24,692	7,08,913	6,68,576	6,58,431	7,89,653	8,73,024
Total ..	16,88,196	17,38,190	17,46,121	18,26,555	17,92,425	17,58,297	20,84,480	23,16,731
Net results.								
Northern Circle	+ 2,18,896	+ 3,08,892	+ 3,96,424	+ 3,50,030	+ 3.21,631	+ 3,19,175	+ 2,82,073	+ 2,47,714
Central ,, ...	+ 3,83,091	+ 3,43,748	+ 3,91,314	+ 4,14,875	+ 4,50,049	+ 3,96,615	+ 4,46,944	+ 4,30,769
Southern ,, ...	+ 23,324	+ 52,943	− 37,365	+ 1,319	+ 1,26,466	+ 33,337	+ 17,045	+ 41,678
Total ..	+ 6,25,311	+ 7,05,583	+ 7,50,373	+ 7,66,224	+ 8,98,146	+ 7,49,127	+ 7,46,062	+ 7,20,161

The gross receipts were Rs. 2,06,350 more than that of the previous year and the total expenditure was greater by Rs. 2,32,251. The net results show a surplus of Rs. 7,20,161. In the *Northern Circle* the surplus fell from Rs. 2,82,073 to Rs. 2,47,714, while profits in the *Central Circle* fell from Rs. 4,46,944 to Rs. 4,30,769. In the *Southern Circle* the surplus has risen from Rs. 17,045 to Rs. 41,678. The total receipts for the year rose by 7·29 per cent. and the total charges by 11·1 per cent. About 37 per cent. of the expenditure was devoted to the upkeep and improvement of the forests and 63 per cent. to exploitation, etc. Departmental working yielded a profit of 9 per cent. against a similar percentage in the previous year. But there remained a large stock of unsold timber at the close of the year, chiefly in *Kurnool East*, *North* and *South Malabar*. It will be observed from Form No. 58 that the value of timber and other produce at sale depots at the close of the year amounted to Rs. 5,81,222 which was Rs. 85,419 more than what it was at the close of the previous year. If the value of this stock be taken into account, the profit of the departmental operations would amount to a percentage of 19 per cent. The decrease in the percentage of profit, as compared with previous years, is chiefly due to the fact that a much larger quantity of firewood is now worked departmentally than in former years, and on this product the profit made by the department is necessarily small owing to firewood being generally supplied from Government depots at a much lower rate than what previously existed in the open market when supplies were met by the permit system. The outstanding revenue at the beginning of the year was Rs. 1,64,227 (Rs. 1,65,950 — Rs. 1,723 on account of remissions, etc.) and the value of sales, etc., during the year amounted to Rs. 30,48,766. Out of the total of Rs. 32,12,993, Rs. 30,36,892 were collected and Rs. 144 written off, leaving an outstanding balance of Rs. 1,75,957 at the close of the year. The variations under the several budget heads of revenue and expenditure during the two years 1904–1905 and 1905–1906 are explained below :—

Receipts.

(i) *By Departmental Agency.*

Timber + *Rs.* 9,930—Due mainly to increased sales in depots in *Kurnool West*, to sale of timber including the stock of 1904–1905 in Mudumalai and Segúr ranges of the Nilgiris, to the increased rate obtained for blackwood in that district, to increased sales and supply of a larger quantity of sawn timber to the Public Works Department than in the previous year in *South Coimbatore*, and to the special supply of sawn teak to the Wellington factory at special rates from the same district.

Fuel + *Rs.* 1,26,087—Due to (1) the opening of fuel depots at convenient centres in several districts, to the supply of firewood to the Railway and the renewal of Commissariat fuel supply in the *Nilgiris* and to increased departmental supply of firewood to the Madura Mills from *Madura*.

Bamboos + *Rs.* 40,228—Due to opening of sale depots principally in *Kurnool West* and *East*.

Sandalwood + *Rs.* 79,450—Due to the working in *North Arcot* of a larger area than in the previous year according to the working plans and to better prices having been realized during the year and to the crediting of revenue within the year in *North Coimbatore* for sandalwood sold in Europe by Messrs. Pierce, Leslie & Co.

Minor produce + *Rs.* 11,041—Due chiefly to the disposal of a large quantity of the minor produce which remained unsold at the end of 1904–1905 in *Nellore*, and also to the large amount realized from sale of rattan in that district, and to the collection in part of the value of catechu appertaining to the previous year in *South Canara*.

(ii) *By Purchasers.*

Timber — *Rs.* 27,624—Due to the stoppage of large sales of timber on waste lands pending an alteration of the darkhast rules in *Ganjám*, to smaller removals of timber from unreserves in *Gódávari*, and to the abolition of the permit system and to the introduction of the depot system in *Kurnool East* and *West*.

Fuel — *Rs.* 80,135—Due to smaller issue of fuel permits and to the closure of the sál blocks to fuel extraction in *Ganjám*, to the departmental working of

some coupes for supply to sale depots in *Kistna*, *Kurnool West*, *North Arcot*, *North Salem*, *Tanjore* and *South Coimbatore*, to the standing growth in the casuarina plantation of the Coast Range in *Nellore* set down for sale during 1906–1907 not having been sold during the year owing to the prevalence of insect pests in other parts of the plantations necessitating heavy work in connection with the uprooting of dead trees and the comparatively low prices realized for the growth sold in auction, and to lower bids for almost all the coupes in *Tinnevelly*.

Bamboos — *Rs.* 21,574—Due chiefly to the abolition of the permit system and the opening of the depot system in *Kurnool West* and *East* and to smaller realizations from bamboos removed in *South Salem*, which the Conservator considers to be chiefly due to insufficient check by the Range establishment.

Grazing and Fodder grass + *Rs.* 35,363.—The reasons for the increase are explained in paragraph 34.

Other produce + *Rs.* 19,357:—The increase is mainly due to the increase under tree tapping revenue and tangedu bark sales in *Kurnool West*, to brisk competition in the sales of minor forest produce (tangedu bark, etc.) in *Anantapur*, to better prices realized for tanning barks in *Cuddapah*, and to the flourishing state of the mica industry in *Nellore* as well as to the increased amount realized by sale of tangedu (*Cassia auriculata*) bark in that district.

(iii) *Miscellaneous (including confiscated drift and waif wood).*

Revenue + *Rs.* 14,227.—Chiefly due to realization of higher bids for drift wood leases including the outstanding revenue of the previous year under the head in *Gódávari* and to increased revenue from compounding fees chiefly in *Guntur*, *Kurnool East* and *Nellore*.

Expenditure.

A.—Conservancy and Works.

The total expenditure exceeds that of the previous year by Rs. 2,01,678 and is due mainly to the following causes—(1) Increased departmental operations necessitating increased expenditure under head I in several districts, (2) purchase of bulls, carts, country vessels, and boats in the *Northern* and *Southern Circles*, (3) construction of new buildings in the *Northern Circle*, principally in Kurnool East and West, (4) compensation for a depot site acquired in *South Canara*, (5) sowing and planting operations principally in *Kurnool West* and fencing operations in Adóni, and Alúr ranges, Bellary, undertaken in accordance with the prescriptions of the sanctioned working-plans.

B.—Establishments.

The cost increased by Rs. 30,573 due mainly to (1) the transfer of an Assistant Conservator of Forests, Mr. Barry, from Ceylon to this Presidency, (2) the promotion of two Extra Assistant Conservators of Forests to the Extra Deputy Conservators' class, (3) the formation of additional forest divisions in the *Northern* and *Central Circles*, (4) the entertainment of additional establishment mostly in the *Northern Circle*, (5) the establishment of the forest training school at Coimbatore in the *Southern Circle* and (6) to the grant of annual increments to members of the office establishment.

Revenue.—Nellore heads the list by contributing nearly 15 per cent. of the net surplus. *Cuddapah* and *North Coimbatore* stand next with 12 per cent, respectively, followed by *North Arcot* which yields 11 per cent. *Madura* gives 10 per cent. *Guntúr* and *South Arcot* 8 per cent. each and *Bellary* 7 per cent.

CHAPTER IV.—ADMINISTRATION.

41. During the year, the Cuddapah district was divided into three Forest charges with head-quarters at Cuddapah for the *North* and *East Cuddapah* divisions and at Madanapalle for the *South Cuddapah* division. The Gódávari district has since been divided into two, viz., *Lower Gódávari* and *Upper Gódávari*. A portion of the old Palghat range was transferred from *South Malabar* to *South Coimbatore* division and a

new range called Mannarghat was formed. The Adóni range in *Bellary* was divided into two, viz., Alúr and Adóni, and the Kollegal and Ramapuram ranges were again separated into two Range charges.

42. *Conduct of establishment.*—It is to be regretted that the conduct of the executive establishment showed no improvement during the year, and cases of neglect of duty, general incompetence and shirking work appear to have been not unusual throughout the three Circles. This has been more especially the case in connection with departmental working for supply to depots which nearly all Rangers of the old school dislike and many of the junior men who come from Dehra appear to imagine that all such work should be relegated to contractors in order that they may enjoy a life of comparative ease and comfort free from the many worries which undoubtedly exist, when anything new is being inaugurated. The conduct of the establishment is referred to in detail below :—

Executive staff—Northern Circle.—In *Ganjám*, one Ranger was transferred and forfeited promotion for two years for inefficiency and neglect of work, and one Deputy Ranger in charge of a range was suspended for 15 days for faults connected with his administration. In *Gódávari*, the work of three Rangers was unsatisfactory and one Deputy Ranger was reduced after suspension. One temporary Deputy Ranger absconded with some Government money advanced to him and was dismissed. A temporary Deputy Ranger in *Kistna* was dismissed for incompetency. In *Guntúr*, one permanent and one acting Ranger were reduced for repeated neglect of duty and transferred. A temporary Deputy Ranger was suspended and prosecuted for criminal breach of trust and sentenced to six months' rigorous imprisonment. One Ranger in *Kurnool East* was reduced for three months for unsatisfactory work. In *Bellary*, a Ranger was reduced for repeated neglect of duty and insubordination and transferred, and two Deputy Rangers were reduced for the same reasons, two more were dismissed and the services of one were dispensed with. The work of Deputy Rangers especially those in Range charge in *Anantapur* was very poor and one Deputy Ranger was reduced for hushing up cases.

Central Circle.—In *Cuddapah*, a Ranger was reduced a grade for six months for disobedience of orders and incompetence The cases against a Ranger and a Deputy Ranger in *Nellore*, mentioned in last year's report, resulted in the acquittal of the former and dismissal of the latter. In *North Arcot*, one Ranger was suspended and temporarily reduced for slackness of duty and one Deputy Ranger was reduced. In *South Arcot*, Deputy Rangers not in charge of Ranges neither worked nor behaved satisfactorily ; one was suspended and another accused of embezzlement. The enquiry in this case has not yet terminated. The work of the Ranger in *Tanjore* was unsatisfactory and charges were framed against him towards the close of the year. In *Trichinopoly*, one Ranger was dismissed and charges were drawn up against another. One Deputy Ranger was also reduced.

Southern Circle.—In *South Canara*, one Ranger was dismissed for monetary transactions with a contractor and the services of another were dispensed with for incapacity and general inattention to work, but he was reinstated on appeal. In *North Malabar*, one Ranger's work was particularly bad and a Deputy Ranger was reduced for neglect of duty and incompetence. In the *Nilgiris*, one Deputy Ranger misappropriated Rs. 746-9-0, the sale proceeds of permits issued by him, and has since been sentenced to four years' rigorous imprisonment. A Ranger in *North Coimbatore* was reduced and transferred for incompetence and another in *Tinnevelly* suspended for three months for not submitting his diaries for several months.

43. *Protective staff.*—The conduct of the protective staff was unsatisfactory as usual, though in some districts a slight improvement was reported. There were the usual number of suspensions, reductions, dismissals, criminal prosecutions and convictions for various irregularities. In *Kurnool West*, one watcher was prosecuted for misappropriating compounding fees and sentenced to three months' rigorous imprisonment. In *Bellary*, a Forester under suspension was prosecuted for misappropriating Government money advanced to him, but the case has not been disposed of. A watcher in *Cuddapah* was prosecuted for extortion and sentenced to six months' rigorous imprisonment and one Forest guard absconded without handing over his uniform. A Forester and one Forest guard in *Tanjore* were prosecuted for breach

of trust and convicted. In *North Coimbatore*, a permit-issuing officer was convicted of criminal misappropriation and sentenced to one week's rigorous imprisonment and fined. One watcher and a tannadar were convicted of extortion and criminal breach of trust respectively, and one Forest guard is under trial for extortion.

44. *Ministerial establishment.*—The conduct of the ministerial establishment was with some exceptions generally satisfactory. One Range clerk in *Nellore* was removed from service for neglect of duty. In *Tanjore*, the Head clerk of the District Forest office resigned when charges of incompetency and neglect of duty were framed against him. In *Trichinopoly*, the Head clerk of the District Forest office was reduced and two Range clerks dismissed. Two peons were also suspended and one dismissed.

45. *Health of the establishment.*—The health of the establishment was fair in all districts except *Ganjám*, *Vizagapatam*, *Gódávari*, *Kurnool East* and *South Malabar*. The sub-division in *Gódávari*, the Sríharikóta and the Coast ranges in *Nellore*, the Javadis in *North* and *South Arcot*, the Pachamalais in *Trichinopoly*, and Mudumalai and Segúr Ranges in the *Nilgiris* maintained their notoriety for unhealthiness.

46. *Relations between Revenue and Forest officials.*—The relations were generally cordial, there having been no cases of friction during the year. The District Forest Officers and Range Officers generally attended jamabandi camps wherever practicable or had personal interviews with Revenue officers. In *Kurnool West*, a memorial was sent by the Yerikulas to the Board regarding bamboos, but their complaint was found to be untrue. The public of *Kurnool* petitioned the Board and Government regarding the heavy rates charged for fuel in Kurnool depot which were due to the distance (55 miles) the fuel had to be carted. The rates were by orders of Government reduced considerably and it is hoped that a reduction in the charges of transport will also be effected by substituting carriage by boat *viâ* the canal, for transport by road. The ryots of Irukulam village in *Chingleput* prayed for the disafforestation of Irukulam reserve and its assignment to them for cultivation, but their request was not granted as it was found that they had a good deal of waste lands at their disposal. In *North Salem*, the ryots of Pennagaram repeated their request for permission to graze cattle throughout the taluk on one permit and the hill tribes of the Javadis petitioned for free grazing in reserves; both these were under consideration. The ryots of Jadayagoundam adjoining the Andiappanur reserve requested to be allowed to take their licensed cattle to the Andiappanur reserve through closed areas adjoining the village and were permitted to do so, provided they fenced the path on both sides with thorns cut from the reserve.

47. *Service-books.*—Maintained and verified.

48. *Tours of the Forest Member.*—The Hon'ble Mr. H. A. Sim, C.I.E., was Forest Member of the Board up to 13th November 1905 and the Hon'ble Mr. C. J. Weir during the remaining portion of the year. The former visited the district of Kurnool and the latter the districts of South Malabar, South Canara and Tanjore. The Forest Member also presided over the sittings of the Forest Code Committee at the Nilgiris during May and June 1906.

49. *Conservators' inspections.*—The Conservators visited all the districts except *Tanjore* and *North Malabar*. The Conservator, Northern Circle, inspected the District Forest offices of *Vizagapatam*, *Guntúr* and *Bellary*. In the Central Circle, all District Forest offices except *North Arcot* and *North Salem* were inspected. The Conservator, Southern Circle, inspected the *North* and *South Coimbatore*, *South Canara* and the *Nilgiris* District Forest offices during the year. In the Northern Circle, *Anantapur* was inspected at the very close of the previous year and *Gódávari*, *Kistna*, *Kurnool East and Kurnool West* since the close of the year. In the Central Circle, *North Arcot and North Salem* could not be inspected within the year, owing to the Conservator being engaged on the Code Committee during June, the month assigned for these two office inspections. The same reason applies for the Southern Circle Conservator not inspecting some of the offices in his circle within the year.

50. *Touring of District Forest Officers.*—More than six months were spent by all District Forest Officers in camp except the District Forest Officers of *Nellore* and the

Nilgiris. The six months' minimum does not apply to the latter. In the former, the short touring was due to the illness of the District Forest Officer which prevented him from going out for a month.

51. *Inspection of Range Offices.*—All the ranges in the districts were inspected twice except in *Ganjám*, *Gódávari*, *Guntúr*, *Kurnool West and East*, *Bellary*, *Cuddapah*, *Nellore*, *North Arcot*, *Trichinòpoly*, *South Canara*, the *Nilgiris*, *North* and *South Malábar*, *North Coimbatore*, and *South Coimbatore*, where some ranges were inspected only once. In the *Nilgiris*, two Range offices were inspected thrice. Several depots were also inspected.

52. *Audit of accounts of the District Forest Offices.*—The accounts of 1904–1905 of all District Forest Offices except those of *Gódávari*, *Cuddapah*, *Tanjore*, and *Trichinopoly*, were audited by the Local Fund Inspecting staff of the Accountant-General's office and the results of the inspections were reported to be satisfactory. The accounts of the excepted districts had been audited late in the previous year. *Ganjám*, *Kistna*, *Chingleput*, *South Salem*, *North* and *South Coimbatore* were audited twice. The Assistant Accountant-General inspected the accounts of *Guntúr*, *Bellary*, *North* and *South Coimbatore.*

53. *Forest College*, *Dehra Dun.*—During the year, four Government students from the Central Circle, one stipendiary and three Government students from the Northern Circle and one stipendiary and two Government students from the Southern Circle were deputed to the Dehra Dun College for training: one Government and three stipendiary students returned from the College to the Central Circle, one Government and one stipendiary student to the Northern Circle and one Government student to the Southern Circle, all having obtained the Ranger's certificates.

54. *Forest schoool at Coimbatore.*—M.R.Ry. C. M. Maduranayagam Pillai replaced M.R.Ry. V. S. Gurunatha Pillai in charge of the school. A special report on the result of the work during the first session was submitted to the Board. The training has now been made more practical and the students of the second session acquitted themselves creditably in the final examinations. There is a dearth of applications from private candidates qualified under the examination rules, and unpassed men are not, as a rule, satisfactory students. During the current session there has been much fever among the students due to their camping in an unhealthy spot for some days. Of the 53 students who attended the school during the two first sessions, 46 obtained pass certificates; attendance certificates were issued to the remainder.

Work and Services of Superior Officers.

55. *Northern Circle.*—Mr. A. W. Lushington, the Conservator of Forests, writes as follows:—

"Every officer in the division seems to have made an endeavour to do better than any of the others, a splendid willing set of men of whom any Conservator might be proud. It is invidious to make any distinction, but is possible to show the principal lines in which each has excelled.

"*Messrs. Cox* and *Bennett* in *Ganjám* did excellent work in marking out the sâl blocks and had a most desperate struggle throughout the hot weather combating the fires.

"*Mr. Aitchison* in *Vizagapatam* got his coupeworking in all three ranges into first rate order; he had also for the past two or three years effected most successful fire protection in the Golgonda range; but whereas it was his custom to go round at the beginning of the fire season to grant rewards for the preceding year, when he went on leave, his *locum tenens* failed to do so with fatal results.

"*Messrs. Foulkes* and *Rego* in *Gódávari* were most successful over the fire protection in the upland taluks.

"*Mr. Seager* in *Kistna* introduced far better protection, started the abolition of the permit system and the extension of depots and developed the firewood revenue whilst improving the forests.

"*Mr. Dawson*, in *Guntúr*, was indefatigable in his inspections to put an end to the illicit removals which were notorious a few years back."

"*Mr. Wood*, in *Kurnool West*, was indefatigable in abolishing the permit system and introducing a scientific working of small timber, firewood and bamboos, in adopting the Chenchus and getting them to work especially on plantations which promise to be a most valuable undertaking, in fire lining, and getting the same Chenchus to protect from and put out fires: in extracting, especially with the aid of M.R.Ry. Aswatham Naidu, an enormous mass of dead timber lying about as the results of the destruction caused by the permit system, and most ably helped by M.R.Ry. Ananda Rao in protecting the Yerramalais and in building depots and other important construction.

"M.R.Ry. Rama Rao, in *East Kurnool*, followed the lines adopted by Mr. Wood in putting a stop to permits, collecting dead wood and material on the fire lines, scientifically extracting bamboos, utilizing the Chenchus helped by Mr. Thompson, continuing the fire lining and bringing out 20,000 tons of firewood for the railway.

"Mr. Cowley-Brown in *Bellary* in opening numerous coupes and depots for firewood and hay, working the forests in a scientific way, collecting material for and preparing working plans, and above all making a great stride in the protection of this hitherto badly protected district.

"Mr. Barlow-Poole in *Anantapur* following on almost precisely the same lines as Mr. Cowley-Brown on a somewhat smaller scale, but also in preparing a large number of fresh reserves for reservation."

Central Circle.—The following is an extract from the Collector's remarks in the district reports with the opinion of the Conservator added underneath :—

Cuddapah.—"I have no remarks to offer (Mr. Hodgson was in charge)." The Conservator is of opinion that Mr. Hodgson's work was satisfactory, but, the district of Cuddapah is too large for any one officer to efficiently supervise the work of all his Rangers.

Nellore.—"Mr. Murray has left the district: his work has been fully alluded to in previous reports and the Collector has nothing to add to what he said last year." The Conservator is of opinion that the carrying out of pruning operations in some of the casuarina plantations not authorized by the working plans or the Conservator, contributed somewhat to the spread of fungus and borers in the plantations operated on.

"M.R. Ry. C. M. Maduranayagam Pillai Avargal, who has shown himself elsewhere to be an energetic and capable officer, was too short a time in this district to have left his mark on it. M.R. Ry. T. M. Nallaswami Naidu Garu, Rao Saheb, has displayed in this district the zeal, industry and intelligence for which he has been noted in other districts." The Conservator considers that this officer's efforts to extend the system of sale of produce from depots in the district met with considerable success more especially in Nellore town where sales are about five times greater than they formerly were when other officers were in charges.

Chingleput.—"The work of the District Forest Officer, Mr. Woutersz, who was in charge of the district during the year under report continued to be as good as in previous years. He did all that could be done with the means at his disposal and I continued to entertain the favourable opinion of him to which I have given expression in previous reports." The Conservator is of opinion, after personal inspections of several reserves in Tiruvellore range, that the realization of the grazing revenue should have been better and protection from goat browsing more efficient, more especially, considering the large establishment relative to area of reserves employed in the district.

North Arcot.—"Mr. J. S. Battie and Mr. D. T. Barry—both left the district before I arrived. Mr. Syed Burhan-ud-din Saheb is doing excellent work and is co-operating loyally with me in extension of fodder and green manure." The Conservator considers that Mr. Battie's administration was as efficient as usual, while Mr. Syed Burhan-ud-din Saheb worked with excellent results in extending the depot system of sales in the district more especially during the period he acted as District Forest Officer during Mr. Battie's absence. His work in securing efficient protection of his reserves was also commendable and the Conservator can vouch for this after personal inspection.

South Arcot.—"Mr. Peake, the District Forest Officer, worked with his usual zeal and discretion. His efforts to clear off old arrears of work in the office were to a great extent successful. The Conservator endorses the Collector's views regarding Mr. Peake's work. M.R. Ry. V. S. Gurunatha Pillai Avargal, Extra Assistant Conservator of Forests, 2nd grade, in charge of Tiruvannamalai range * * * worked hard and willingly, but was not able to do all there was to be done, and having been for some years unaccustomed to administrative charge was not very successful in office work." The Conservator agrees.

North Salem.—" As I only joined the district at the end of February, I am unable to say much regarding the District Forest Officer's work. From what I have seen, it was on the whole satisfactory though perhaps Mr. Bapu Rao showed some tendency to prefer the inspection of offices to that of reserves." The charge, the Conservator thinks, was rather too large for an officer of Mr. Bapu Rao's capacity. But he worked hard in extending depots and his efforts would have met with more success in this direction had he maintained a closer supervision over the work of his subordinates.

South Salem.—" As I only joined the district in the latter part of February 1906, I am not in a position to say much under this head. So far, however, as I could judge, the work and conduct of the controlling officers were satisfactory." The Conservator thinks that the extension of sales in depots in Salem hardly made as much progress as it might and that this was due partly to insufficient protection of forest growth in reserves and unreserved lands and to the leasing out by Mr. Murray of sale depots in Salem town without consulting the Conservator, and so binding the department to fixed rules and rates for a whole year.

Trichinopoly.—M.R.Ry. T. M. Nallaswami Naidu Garu, Rao Sahib, and Mr. Thornton were in charge of this district during the year for about five and seven months, respectively. The Collector states that he was not satisfied with what he saw of Mr. Nallaswami Nayudu's conduct of his office work and the management of his establishment. He considers Mr. Thornton a zealous and energetic officer. The Conservator thinks that the protection of the Vyampatti range forests from goats should have been more efficient, but that Mr. Nallaswami Nayudu deserves much credit for the successful establishment of depots in Trichinopoly during the period he held charge. As regards Mr. Thornton he worked with his usual zeal and energy and was most successful in defining and mapping the large area of valuable padugai lands in charge of the department as well as in securing the protection of his forests.

Tanjore.— . . . " Mr. Thornton has brought zeal and energy to his new post and has done much to waken up the administration of this uninteresting forest charge ".

Southern Circle.—Mr. F. A. Lodge, the Conservator of Forests, writes as follows: " The work of the Imperial officers has, as usual, been satisfactory; the Collector of South Canara remarks of Mr. Latham that he has been working with zeal and energy; the large development in departmental fuel supply bears testimony to this. Mr. P. M. Lushington had charge of both the Malabar districts, but was hampered in his timber work owing to the difficulties raised by the Mysore Darbar.

" Mr. Jackson continued in charge of the Nilgiris throughout the year. Regarding North Coimbatore, the Collector remarks that Forest Administration has received a great impetus during Mr. Fischer's tenure of office, and of Mr. Seot, he says that he has worked his district with ability and energy.

" In Madura under Mr. Bryant, the year has been one of satisfactory progress. Mr. Richmond was compelled to take sick leave from Tinnevelly during the year and his place was taken by Mr. Barry.

" Where all officers have worked hard and willingly, I consider that, with my limited experience of the circle, it would be invidious to make special mention of any particular one, and I have therefore limited myself to quoting the Collectors' remarks in the district reports. Every Imperial officer in the circle takes a keen interest in his work and does his best for the improvement of the forest estate in his charge.

" Mr. H. A. Gass, Conservator of Forests, and Mr. H. O'Neill, Extra Assistant Conservator, retired from service during the year."

CHAPTER V.—GENERAL.

56. ***Realization of revenue from the usufruct of toddy-yielding trees on Government wastes and poramboke lands.***—The revenue realized under this head in *Vizagapatam*, *Tanjore*, *Trichinopoly*, *South Malabar*, *South Coimbatore*, and *Madura*, was small. In *Gódávari*, the revenue again fell from Rs. 4,743 to Rs. 3,460; while in *Guntúr*, *Kurnool East* and *West*, *Bellary*, and *Anantapur*, there was an increase. In *Kurnool East*, the increase was due to a larger number of trees having been applied for. In *Bellary*, the fixed fee system was in force. A sum of Rs. 378 was realized by leasing

date trees in reserved forests. In *Cuddapah*, the fixed fee system continued and the revenue collected was a little less than in the previous year. This was realised, almost entirely from trees on unreserved lands, very few applications having been made for trees in reserves. In *Nellore*, the revenue under this head rose a little and the rate charged for palmyra and date tree continued to be one anna per tree per annum. In *Chingleput*, the revenue realized was Rs. 2,849. There was a slight decrease and increase respectively in the revenue under this head in *North* and *South Arcot*. In *North* and *South Salem*, the fixed fee system remained in force and the usufruct of the trees not taken up under this system was leased out without prejudice to the enjoyment by villagers of the privileges under rule 7 of the rules under section 26 of the Forest Act. The amount collected in the two divisions was Rs. 842 and Rs. 2,199 respectively against Rs. 1,611 and Rs. 3,144 in the previous year. In *South Canara* and *Tinnevelly*, the revenue derived was Rs. 3,278 and Rs. 2,968 respectively against Rs. 3,205 and Rs. 3,427 in the previous year. In *South Coimbatore*, there are practically no toddy-yielding trees in the reserved forests, all toddy being obtained from cocoanut trees in private topes.

57. *Measures adopted to encourage the growth of manure leaf-yielding trees and shrubs.*—In the *Northern Circle*, no steps were taken in this direction except in *Kurnool East* and *West*, as an adequate supply of leaves is obtained outside the reserves in the districts where the people are in the habit of using leaf manure while no demand for manure leaf exists in other districts of this circle. In *Guntúr*, at present no demand for manure leaves exists; nor is it likely to arise until the wet cultivation in the upland taluks increases. It is, however, proposed to sow Kanuga (*Pongamia glabra*) seeds received from *Kurnool East* along the water cources during the current year. As an experiment one waggon load and eight cart loads of manure leaves from *Kurnool East* and *West* respectively were sent to Nandyal for sale, but the price realized was less than the cost of collection and transit charges. Further experiments will, however, be made in the next second-crop season to supply ryots around Cumbum, where it was reported that manure leaves sell for Rs. 2 per cart-load. In *Nellore*, the present demand can be adequately met from the shrubs available in the reserved, unreserved and patta lands. In *Chingleput*, an area of 438 acres was sown with seeds of leaf-manure species, but the operations were not successful, owing to want of timely rains. In *North Arcot*, 12 acres of Sathur reserve, Vellore East Range, were sown with seeds of manure leaf-yielding species and the plants are reported to be thriving. The ryots were also offered waste lands under the cowle system to grow manure leaf yielding species; but the offer was not taken advantage of. In *North Salem*, two plots of ground (one about 150 acres in Giddakarampatti near the Barur project and another about 1,000 acres in Marappanaikampatti near Samalpatti) were selected for the formation of manure leaf farms and a large quantity of seeds were transported there at a cost of Rs. 200. The plots will be sown during the current year. In *South Salem*, no steps were taken in this direction as it is considered desirable to see how the new system of limited manure leaf coupes prescribed in the Salem East and Atur Range working-plans succeeds before taking action in other directions. In *Trichinopoly*, cultural operations were undertaken with unsatisfactory results, owing to want of seasonable rains. Proposals have, however, been made to plant, during the current year, Vedanarayana (*Poinciana elata*) cuttings in the upland tracts and to sow seeds of manure leaf-yielding species in the padugais after ploughing. In *Tanjore*, seeds of different species were sown in 5 acres in each of the reserves of Kollangarai and Nadur at a cost of Rs. 6, but the experiment did not prove successful on account of the failure of the monsoon.

In the *Southern Circle*, no action is called for in any of the districts except *Madura* and *Tinnevelly*. As regards *Madura*, in the two blocks of 20 and 25 acres cultivated last year the plants in the former are thriving and those on the latter have nearly all died down to the surface of the soil. The proposal to cultivate a large area during the year was abandoned for want of sufficient rain and only 70 acres out of 100 acres in Kollipatti village, Madura taluk, was fenced, ploughed and sown broadcast with seeds of *Acacia auriculata* and *Tephrosia purpurea*. This also failed owing to the unfavourable season. In *Tinnevelly*, an attempt was made to grow Avaram (*Acacia auriculata*) and Kolingi (*Tephrosia purpurea*) on 50 acres in Gangaikondan reserve, but it proved a failure owing to want of rain.

58. *Rules under the Forest Act.*—Timber transit rules were sanctioned during the year for *North Arcot* in respect of scheduled areas containing red sanders and sandal-wood and those already sanctioned for *Kistna*, *Kurnool East* and *West*, *Cuddapah*, *North* and *South Salem*, *South Canara*, *North* and *South Coimbatore* and *Madura* are reported to have worked satisfactorily and no hardship or complaint against the working was brought to notice. In *Ganjám*, the existing rules are reported to be of very little value for practical purposes of preventing thefts from the Government reserves, because they define only certain principal cart-tracks and not scheduled areas, as in other districts, within which the timber in transit must be covered by a pass. In *Gódávari*, the transit rules were under revision and details in connection therewith are still under discussion. In *Guntúr*, the rules require to be still rigorously enforced. In *Bellary*, the draft timber transit rules are still under correspondence. The establishment of river tannahs and tannahs on the road in accordance with the timber transit rules sanctioned for the *South Malabar* Division has been held in abeyance for the present.

59. *Rules under section 26 of the Forest Act.*—The privileges allowed by these rules were generally availed of by the public and no complaints or abuses were brought to notice except in *Gódávari*, *Kurnool East*, *North Arcot*, *North* and *South Salem*, *North* and *South Coimbatore*. In *Gódávari*, the privileges of the villagers of Kannampeta and Siruvaka were suspended for one year for refusing to render assistance in suppressing forest fires. In *Kurnool East*, the hacking and lopping of reserved and classified trees in unreserves for feeding goats continued to prevail. In *North Arcot*, the abuse of the concession by poorer classes by cutting fuel for sale still continues and has not been completely put a stop to. In *North Salem*, there were 15 cases of offences in which fuel was removed from unreserves for sale under cover of mittah permits. In *South Salem*, 233 cases of illicit felling of trees on unreserved lands were detected by Revenue officials, of which 13 were withdrawn, 69 prosecuted and 132 compounded at twice the value of the trees cut. In the remaining 19 cases the value of the trees cut was recovered from the village officers concerned for neglect of duty. In *South Canara*, there was a good deal of correspondence with the District Board Engineer regarding the realization of the seigniorage on road metal, etc., removed by contractors from Government lands which has since been equitably settled. In *North Coimbatore*, the privileges are generally acted on and frequently abused and misunderstood. In *South Coimbatore*, the cases under these rules were hitherto dealt with through the Agency of Range officers; but as such cases relate to areas at a distance from their work in reserves, offences occurring on unreserved lands have been with the sanction of the Collector dealt with during the year by the District Forest-officer through the agency of Tahsildars and Revenue Inspectors. The number of cases of illicit fellings reported during the year was greater owing to a more effective system of supervision and not on account of the actual increase in the offences.

60. *Inventory of valuable stock.*—The stock registers are reported to have been maintained and verified in all districts. In *Nellore*, the registers of Coast and Srí-harikóta ranges were not properly maintained and the subject is under correspondence. Form No. 61 shows the value of the stock in the several districts.

61. *Rain-gauges.*—Readings were properly recorded in all the districts in which rain-gauges are set up except in *Ganjám*, *Guntúr*, *South Arcot* and *South Canara*. In *Ganjám*, one gauge was destroyed by wild elephants before the record was complete and in another case a Ranger failed to record readings for months at a time and his explanation has been called for. In *Guntúr* and *South Arcot*, the recording of accurate readings is doubted. In the latter district it is attributed to the ignorance of the subordinates in charge. This branch of work in *South Canara* continues to be unsatisfactory. Additional rain-gauge stations were opened in *Vizagapatam*, *Gódávari*, *Kurnool East*, *Kurnool West*, *Anantapur* and *North Salem*.

62. *Supply of forest produce to meet the wants of the people.*—In *Vizagapatam*, *Gódávari*, *Bellary*, *Cuddapah*, *North Arcot*, *North Salem*, *South Salem*, *Trichinopoly* and *Tanjore*, the wants of the people were partly met by the issue of permits from stations located at convenient centres and partly from local sale depots. In *Gódávari*, 5 fuel depots were opened at different centres in the Delta taluks. In *Kistna*, 6 sale depots were opened for supply of agricultural and domestic implements. In *Guntúr*, forest

depots were started at convenient centres to meet the demand for firewood and timber required for agricultural implements and building materials. In *Kurnool East*, large quantities of agricultural implements, building materials and cart-building articles were manufactured and stocked in several depots. In *Kurnool West*, agricultural and domestic implements were manufactured departmentally and distributed to the different centres for sale to the public in the Nallamalai tracts. In the Yerramalais, the 3 depots were also stocked with timber from the Nallamalais. In *Bellary*, 15 sale depots and 25 forest coupes were opened, where firewood, charcoal, timber and agricultural implements were sold. Arrangements were also made to sell by public auction monthly, timber and firewood brought from the leased forest depots in central localities. In the *Central Circle*, besides the existing depots, new depots were established in several places in *North Salem* for the sale of firewood and small timber to the public. In *Cuddapah* also some more fuel depots were opened. In *South Salem*, 14 fuel depots and several village depots were at work. In *North Arcot*, fuel from coupes working departmentally was supplied to ryots at the seigniorge rates *plus* cost of felling. Coupe contractors were required to supply fuel, small timber and bamboos to ryots for domestic or agricultural purposes at seigniorage rates *plus* cost of extraction, while new depots were opened in *Vellore*, *Gudiyáttam*, *Pakala* and *Tirupati*. In *Chinglepat*, three new fuel depots were opened and in Nellore, four. In *South Arcot*, the people obtained permits for green manure leaves from the lessees of minor forest produce in reserves and the coupe contractors were required to supply fuel, timber and agricultural implements to the public at fixed rates. A portion of the Baindur reserve in *South Canara* was as usual thrown open for the collection of dry firewood, manure leaves and grass in head-loads free of charge for the benefit of the adjoining inhabitants. In *North* and *South Malabar*, no steps were necessary in this direction, as the local demand was met from unreserved Government lands and private lands and forests. In *South Coimbatore*, the branchwood and tops of timber obtained in selection fellings in two ranges were converted into spokes, felloes, axle boxes, etc., and the outside slabs and rejections from the saw mill accumulated from previous years and in the current year were converted into door and window frames. All these have been stocked in depots for retail sale to the public. The sanctioned working plans in *Madura* provided for the requirements of the public and coupes were also opened in the neighbourhood of villages. To meet the demand of the Madura town a depot was opened and firewood sold to the public at a reasonable rate. The demand in Kodaikánal settlement was met by working portions of two plantations on contract, and that in Periyakulam town by the experimental coupes in the reserved forests in the vicinity. In *Tinnevelly*, ryots were allowed to remove head loads of fuel from the coupes under working on payment of three pies per headload. Permits for agricultural implements were issued for trees from poramboke lands on application. The seigniorage rate only is charged and the quantity granted is regulated by the area cultivated by each applicant.

63. *Cultivation in reserved forests.*—In *South Salem*, owing to the depression in the coffee industry, two planters of the Shevaroys have applied for remission of the annual rent on such portion of their leased areas which was cultivated with special products. These portions were surveyed and remission of rent for three years from 1906–1907 has been granted. A rent of Rs. 115–3–2 was due from two coffee planters at the end of the year. Cultivation in two reserves of *Trichinopoly*, allowed for five years on lease, expired in November last, and as the result of working proved unsatisfactory, it is not proposed in future to grant any more leases of this nature. Of the twenty estates leased for coffee cultivation on the Anamalais, *South Coimbatore*, twelve were under cultivation with coffee, cardamoms and cinchona. One was ordered to be resumed during the year, but the resumption has since been cancelled. The remaining seven estates were not opened for cultivation.

64. *Suits.*—In *Gódávari*, the second appeals referred to in the last year's report to have been preferred by the claimants in the Coringa Extension suit were still pending disposal in the High Court. The civil suit brought by G. Lakshmya in the Court of the Head Assistant Collector was dismissed as time-barred. But the appeal preferred by him before the Government Agent, *Gódávari*, was still pending. The suit in the Cocanada Sub-Court was pending, owing to the commission taken out for the examination of the Conservator of Forests, Central Circle, not

having been returned duly executed. This has since been executed however. In *Guntur*, a suit by a coupe contractor against Government for damages is pending in the District Court. Of the two cases referred to in the last year's report in *Nellore*, the appeal preferred to the High Court by the Raja of Venkatagiri against the Government in the Veligonda boundary dispute was disposed of in favour of the Raja and the suit for the recovery of certain lands included in the South Mopur reserve was decided in favour of Government. A suit filed during the year by a contractor for the recovery of Rs. 3,372 on account of the value of certain wood alleged to be found deficient in the quantity supplied to him, etc., was pending in the District Court, Nellore. In *North Salem*, there are two appeals pending—one before the District Court against the Forest Settlement-officer's decision in the Hudaidurgam block, and another on behalf of Government in the High Court in connection with the same block. In *Trichinopoly*, the second appeal in the case of Mogavanur block referred to in the previous years' reports, ended adversely to Government. The forest appeal referred to in the last year's report in *South Canara* as pending disposal in the District Court, was withdrawn by the appellant, thus ending in favour of the department. The appeal preferred to the High Court in connection with the ownership of Thanikuzhi Hill, *South Malabar*, was still pending disposal. Of the two suits pending in *Tinnevelly* at the beginning of the year, one relating to Kuttalam water falls was disposed of and the other regarding Kattalamalai was pending.

65. *Elephants.*—The elephants in *Vizagapatam, Gódávari, and Kurnool West*, which are used for inspection purposes only, are reported to be in good condition. In *Ganjám*, one elephant was purchased at a cost of Rs. 1,000. Seven elephants from Mudumalai, *North Malabar*, were transferred to *South Malabar* owing to an outbreak of anthrax at the former station. Elephant catching operations were carried out in *North* and *South Malabar* and *South Coimbatore* and the number captured were 17, 4 and 1 respectively. One was born in captivity in *North Malabar* and one was presented to the department by the Mysore Government after the kheddah operations undertaken in connection with the visit of their Royal Highnesses the Prince and Princess of Wales. Thus the total number of elephants in charge of the department increased to 95. Of these 4 died, 2 escaped from captivity, two were shot on account of old age, and one was sold, leaving 86 elephants with the department at the close of the year. It was decided during the year to keep young captures and train them for service in the department instead of selling them as hitherto. Training nurseries are accordingly being established in the West Coast. The designation of the Inspector of Government Elephants was changed into Special Veterinary Inspector, his post being at the same time made permanent, in view of the necessity for the department to have a trained Veterinary officer to look after the large number of elephants and bullocks it has charge of.

66. *The saw mill at Mount Stuart.*—The mill worked from the commencement of the forest year till the 19th December 1905, when the supply of water failed. Work recommenced however from the 29th of May and the mill worked for 24 days in May and June. In the course of the season the crank of the board cutter broke, when work was delayed for a month until a new one was procured. Three hundred and seventy eight logs of 15,305 cubic feet were put through the mill during the season and an outturn in boards and scantlings of 9,754 cubic feet was obtained amounting to 63·7 per cent. of the volume in the log. The quantity put through the mill was less by 2,002 cubic feet and the outturn by 164·5 cubic feet than in the previous year, which was due to the delay referred to above: but the percentage of marketable timber obtained rose from 57·4 to 63·7. The working expenses of the whole season amounted to Rs. 4,383–12–5. The average cost of the outturn per cubic foot of sawn timber was therefore As. 7-2.

67. *The wire ropeway at Mount Stuart.*—The wire ropeway worked for 63 days and sent down 570 loads of 11,823 cubic feet. of timber and 978 bamboos against 357 of 6,247 cubic feet of timber and 2,000 bamboos in the previous year. In November 1905, one of the highest supports broke and work was delayed in consequence. It was, however, eventually found possible to adjust the rope so that loads could be sent down without use of this support. The gain as compared with road transport was reported to be Rs. 543-13-4. Deducting from this, depreciation and interest at 6 per cent. on capital outlay, viz., Rs. 223–10–11, the net profit works out to Rs. 320–2–5.

Mica and mica mining.

68. *Applications.*—During the year 120 applications were received as against 61 in the previous year. In addition to these 49 applications were pending at the commencement of the year. Forty-three of the applications received during the year were for mining in Government lands, 5 for the extension of the mining leases already in force, 59 for prospecting licenses, 11 for mining in patta land and 2 for exploring licenses. One hundred and twenty-five of the 169 applications were disposed of during the year, leaving a balance of 44 applications of which 15 are for mining leases, 5 for the extension of sanctioned plots, 16 for prospecting licenses, 6 for patta land mining and 2 for exploring licenses.

Mines in Government lands (State mines).—There were 31 sanctioned mines in existence at the commencement of the year. Thirty-four new mines were sanctioned as against two in the previous year, and the leases of five were either cancelled or relinquished so that there are 60 mines at the end of the year. Prospecting licenses are in force for 29 plots as against only 8 in the previous year and 1 exploring license was also issued during the year. The work in most of the new mines has just begun. Mining operations in the mines were carried on satisfactorily throughout the year. In the case of lessees who were unsystematic in their work, notices were issued for the strict enforcement of the conditions of the lease and their mines were inspected month after month either by the Mica Inspector or one of his assistants to see that the mines were worked properly and regularly.

Patta land mines (shared mines).—There were only four mines at the commencement of the year, 10 more patta land agreements were granted this year. The work in all these mines is satisfactory.

Illicit mining.—There were three cases of illicit mining reported during the year. One was in respect of a patta land in Gudur. In this case a penal charge of Rs. 112–8–0 was collected from the person concerned.

In another case an applicant for a plot in the Gudur reserve conducted operations while his application was pending disposal. The illicit mining was, however, discovered by the Forest Range officer before the operations had been proceeded with to any great extent. It was reported that no mica was removed from the plot. In the third case an applicant for a plot in the Atmakúr taluk conducted mining operations and this was brought to notice by a rival applicant for the same plot. The grant of the lease was, however, sanctioned to him, but steps have been taken to collect penal assessment for unauthorized occupation under Act III of 1905.

Outturn and royalty.—There has been a marked increase in the quantity of mica consigned during the year which is more than double the quantity consigned in the previous year. There was a large demand for "flimsy" mica during the year under report. An industry has sprung up in Germany for the manufacture of sheets of what might be called artificial mica from the splittings of flimsy mica and a cement, and the sheets so manufactured are said to be as good for electrical purposes as sheets of genuine mica. Hence the large increase. The quantity of flimsy mica consigned during the year was 326,563–13 lb. against 55,621–5 lb. during the previous year, *i.e.*, about six times that of the previous year.

Financial results.—The revenue realized during the year under report was Rs. 46,696–5–1 against Rs. 38,631–5–7 during the previous year. With the exception of the exceptional year 1901–1902 when revenue from mica amounted to Rs. 57,995–12–10, the revenue in the year under report is the highest on record. The percentage of expenditure to receipts is 8·12 against 7·07 in the previous year. The increase in the expenditure is due to the large amounts of refunds sanctioned in the year—the amount under this head being Rs. 1,150–3–8 against Rs. 417–2–8 only during the previous year—and also to the entertainment of an assistant mica clerk—the expenditure under "pay of mica clerks" being Rs. 871–3–7 during the year under report against Rs. 473–13–8 only in the previous year. The estimated value of the mica consigned during the year was Rs. 38,60,407–3–7 against Rs. 6,88,505–14–10 in the previous year, but the amount of royalty (Rs. 41,645–8–8) collected during the year is not proportionately as large as that (Rs. 34,390–3–2) collected during the previous year. This is due to the fact that a large quantity of mica was of the class

"half royalty mica" being films prepared from the old waste heaps left at the mines of M.R.Ry. Anchur Subba Nayudu and Messrs. Haji Muhammad Badshah Sahib & Co. Much of the contents of these old heaps had been extracted in the years when an acreage and not a seigniorage charge was imposed. As it was impossible to determine how much had been extracted in these years, it was resolved to charge only half royalty on all mica films prepared from these waste heaps. Steps were taken to prevent any new waste being deposited on these old heaps.

Labour.—Three thousand one hundred and sixty-eight men, 2,742 women and 2,084 children were employed at the several mines in the district receiving wages ranging from As. 3 to As. 8 for men, As. 2 to As. 2-6 for women and 9 pies to As. 2 for children per day. For working at night and for pumping water an extra wage of As. 2 per day was paid. The total number of coolies employed during the year was 7,994 against 4,483 in the previous year. The increase in the number of coolies is due to the corresponding increase in the number of mines both under mining and prospecting concessions. The labourers generally work from 7-30 A.M. to noon 12 and 1-30 P.M. to 5 P.M. At night work is being done between 7 and 10 P.M. Women, children and old men are mostly employed in cutting "rounds" and for preparing films. Wages were paid regularly in most cases and in some cases payments were made in advance when such a step was necessary to ensure the regular attendance of the labourers. In some of the most important mines steam engines and water pumps were used to reduce the manual labour. The health of the labourers continued to be good.

Accidents.—Altogether four accidents were reported during the year against seven in the previous year. Of the four accidents, two were due to carelessness in handling explosives and two to the fall of overhanging earth and mica schists. In the last two cases the injuries received were fatal and both persons died. In the other two cases the injuries were slight and the coolies recovered.

Ventilation and lighting.—In the marginally noted mines the work was carried on in tunnels. The tunnels in most cases are sufficiently ventilated and where light is not sufficient candles are used.

Name of mine.	Lessee.
1. Tallabada ...	M.R.Ry. A. Subba Nayudu.
2. Palamani ...	Do.
3. "D" Mine ...	Do.
4. Palimila ...	Messrs. Haji Muhammad Badshah Saheb & Co.
5. Khudadad ...	Do.
6. Sankara ...	M.R.Ry. R. V. Kuppuswami Aiyar.
7. Lakshminarayana.	M.R.Ry. Lakshmi Narsa Reddi.

Inspection by Superior Officers.—Some of the most important mines were inspected by the District Medical and Sanitary officer during the year, but no special sanitary defects were noticed. The Inspector of Mines, Calcutta, inspected the more important mines and the defects pointed out by him are being remedied by the lessees. In cases where the lessees failed to execute the necessary instructions promptly and remedy the defects pointed out, the Divisional Magistrate took action under section 144 of the Criminal Procedure Code and lessees were prosecuted and fined for neglect to comply with the terms of the orders. The District Forest Officer and the Divisional Officer, Gudur, have also inspected some of the mines.

Prospects of Industry.—The demand for mica is increasing not only in Britain, but on the continent and in America: one-fourth of the world's supply is produced in the Nellore district. The working of the mines is almost entirely in the hands of native miners who work on lines which are susceptible of considerable improvement. M.R.Ry. Ansur Subba Nayudu Garu has now employed a European Mining Engineer with South African experience. If others would follow his example the working of these mines would be more economical and the output increased. There are fair prospects of the development of the mica industry in future years. The best mines are to be found in a belt extending from a little south of Gudur to the neighbourhood of Sangam: but fair mica has been found also in the Kávali taluk and the Collector has, during his tours, seen traces in the Kanigiri and Udayagiri taluks.

Plumbago.—The plumbago mines in the Rékapalle hill reserve, *Gódávari*, were worked on a small scale and the revenue realized was Rs. 96.

Manganese.—In *Bellary*, a prospecting license to prospect for manganese in 43¾ acres in Thonasigiri reserve has been issued to Mr. Charles Jambon of Calcutta. The Diwan of Sandúr has also issued to the same party a license to prospect for manganese over 800 acres in the Ramandrug block and to Messrs. Srinivasa Rao Naidu and Huddleston to explore and search the surface of the leased forests for minerals of every description and for mineral oil.

69. *Forest Museum.*—The Gass Forest Museum at Coimbatore has developed considerably during the year. It now contains over 1,100 specimens. A fine collection of moths and butterflies was lent to the museum by Mr. Hearsey, Extra Assistant Conservator of Forests, and numerous specimens were presented both by forest officers and by private individuals. The museum is used for imparting information to the students at the Forest Training School and has been visited by over 1,000 people during the year. The new museum building was only just finished at the close of the year. The Curator has justified his entertainment by the care taken of the various exhibits and by assisting in the preparation of herbarium specimens.

APPENDICES.

APPENDIX A.—District areas and Forest reserves.

District.	(a) Total area excluding feudatory and tributary states.	(b) Area excluding zamindari, whole inam villages and minor inams in ryotwari tracts.	(b) Occupied area.	Particulars of remaining area (columns 3—4).			Reserved forests and reserved lands.			Percentage of column 10 to column 3.	Percentage of column 10 to column 7.
				(b) Unoccupied, cultivable, uncultivable and forest areas.	(a) Areas for which returns are not available.	Total of columns 5 and 6.	Reserved forests under Act V of 1882.	Reserved lands.	Total of reserves (columns 8 and 9).		
1	2	3	4	5	6	7	8	9	10	11	12
Northern Circle.	ACS.	ACS.	ACS.	ACS.	ACS.	ACS.	ACS.	ACS.	ACS.		
Ganjám	5,356,224	1,609,617	419,864	706,213	483,540	1,189,753	344,684	38,400	383,084	23·79	32·19
Vizagapatam	11,022,828	849,340	183,971	665,369	..	665,369	190,700	30,009	220,709	25·98	34·67
Gódávari	3,585,602	1,885,117	568,683	1,316,434	..	1,316,434	555,494	47,955	603,449	32·01	45·08
Kistna	3,784,842	1,624,843	992,903	631,940	.	631,940	179,419	23	179,442	11·04	28·39
Guntúr	3,670,373	2,384,152	1,775,397	1,099,561	9,194	1,108,755	521,209	..	521,209	18·07	47·00
Kurnool	4,849,767	4,208,089	1,415,234	2,792,855	..	2,792,855	1,626,915	56,311	1,683,226	39·99	60·26
Bellary	3,656,230	2,981,101	1,867,741	1,113,360	..	1,113,360	399,430	40,000	439,430	14·73	39·46
Anantapur	3,556,083	3,022,935	1,460,815	1,562,120	..	1,562,120	326,470	12,465	338,935	11·21	21·69
Total ..	39,481,949	19,065,194	8,684,608	9,887,852	492,734	10,380,586	4,144,321	225,163	4,369,484	22·91	42·09
Central Circle.											
Cuddapah	5,582,739	4,861,970	1,372,666	3,489,304	..	3,489,304	1,437,248	68,404	1,505,652	30·96	43·15
Nellore	5,097,300	2,314,652	899,062	1,415,590	..	1,415,590	472,791	..	472,791	20·42	33·39
Chingleput	1,971,041	1,305,493	661,765	643,728	..	643,728	136,813	..	136,813	10·47	21·25
North Arcot	4,721,849	2,499,818	883,800	1,616,018	..	1,616,018	825,349	836	826,185	33·04	51·12
South Arcot	3,339,520	2,989,775	1,677,488	1,312,287	..	1,312,287	424,650	..	424,650	14·20	32·35
Salem	4,818,982	3,575,703	1,458,431	2,117,272	..	2,117,272	1,014,421	44,905	1,059,326	29·62	50·03
Trichinopoly	2,324,804	1,713,245	1,110,043	603,202	..	603,202	200,297	1,140	201,437	11·75	33·39
Tanjore	2,375,381	1,583,707	1,145,625	438,082	..	438,082	12,461	..	12,461	0·78	2·84
Total ..	30,231,616	20,844,363	9,208,880	11,635,483	..	11,635,483	4,524,030	115,285	4,639,315	22·2	39·87
Southern Circle.											
South Canara	2,573,389	2,573,389	761,816	1,809,519	2,054	1,811,573	462,287	215,518	677,805	26·33	37·41
Malabar	3,708,692	3,687,241	1,328,052	2,359,189	..	2,359,189	288,210	44,542	332,752	9·02	14·10
Nilgiris, The	612,557	612,892	193,760	419,132	..	419,132	264,749	54,869	319,618	52·14	76·25
Coimbatore	5,030,790	4,588,337	2,511,031	2,077,306	..	2,077,306	1,314,690	174,476	1,489,166	32·45	71·67
Madura	5,568,896	2,079,200	1,122,175	957,025	..	957,025	426,503	..	426,503	20·51	44·56
Tinnevelly	3,448,922	2,279,287	1,487,032	792,255	..	792,255	279,525	281	279,806	12·27	35·31
Total ..	20,943,246	15,820,346	7,403,866	8,414,426	2,054	8,416,480	3,035,964	489,686	3,525,650	22·28	41·88
Grand Total ..	90,656,811	55,729,903	25,297,354	29,937,761	494,788	30,432,549	11,704,315	830,134	12,534,449	22·49	41·18

(a) Area by professional survey.

(b) Area according to village papers.

Appendix B.—Reserved forests in square miles.

Districts.	Up to 1904–1905.	During 1904–1905.	During 1905–1906.	Total.
1	2	3	4	5
Northern Circle.	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.
Ganjám	538	..	(*a*)	538
Vizagapatam	298	..	..	298
Gódávari	867	(*a*)	1	868
Kistna	267	13	(*a*)	280
Guntúr	808	6	(*a*)	814
Kurnool, East	1,152	3	+ 323 (*b*) 1	1,479
Kurnool, West	1,311	69	− 323 (*b*) 7	1,064
Bellary	573	28	23	624
Anantapur	510	..	(*a*)	510
Total ..	6,324	119	32	6,475
Central Circle.				
Cuddapah	2,213	28	5	2,246
Nellore	732	2	(*b*) + 1 4	739
Chingleput	214	..	..	214
North Arcot	1,290	..	..	1,290
South Arcot	663	..	..	663
North Salem	832	..	25	857
South Salem	728	..	..	728
Trichinopoly	301	9	3	313
Tanjore	20	..	..	20
Total ..	6,993	39	38	7,070
Southern Circle.				
South Canara	662	12	48	722
North Malabar	231	4	21	256
South Malabar	218	..	− 24 (*d*)	194
The Nilgiris	408	4	2	414
North Coimbatore	1,378	..	− 8 (*b*) − 2 (*c*)	1,368
South Coimbatore	662	..	+ 24 (*d*)	686
Madura	610	− 3 (*c*) 9	(*a*) + 2 48	666
Tinnevelly	437	..	..	437
Total ..	4,603	26	111	4,743
Grand Total ..	17,923	184	181	18,288

(*a*) Below one square mile.
(*b*) Revision of area.
(*c*) Disafforested.
(*d*) Transferred to South Coimbatore division.

Appendix C.—Particulars of balance of Lands under Settlement.

District.	Forest settlement.					
	Total number and area of blocks under settlement up to the end of 1905-1906.		Total number and area of blocks constituted finally as reserved forests up to the end of 1905-1906.		Balance at the end of 1905-1906.	
	Number.	Area.	Number.	Area.	Number.	Area.
1	2	3	4	5	6	7
Northern Circle.		SQ. MLS.		SQ. MLS.		SQ. MLS.
Ganjám	54	598	53	538	1	60
Vizagapatam	52	298	52	298	..	..
Gódávari	73	943	72	868	1	75
Kistna	74	280	74	280	..	..
Guntúr	179	814	179	814	..	..
Kurnool, East	38	1,479	38	1,479	..	..
Kurnool, West	64	1,169 (*b*) — 17	60	1,064	4	88
Bellary	153	624	153	624	..	..
Anantapur	100	530 (*a*) — 1	83	510	17	19
Total	787	6,717	764	6,475	23	242
Central Circle.						
Cuddapah	212	2,358 (*b*) — 5	210	2,246	2	107
Nellore	227	738 (*c*) + 1	227	739	..	..
Chingleput	197	214	197	214	..	..
North Arcot	196	1,291	192	1,290	4	1
South Arcot	157	663	157	663	..	..
North Salem	76	924 (*a*) + 1 (*b*) — 2	72	857	4	66
South Salem	103	733 (*a*) — 1	102	728	1	4
Trichinopoly	120	315	119	313	1	2
Tanjore	15	20	15	20	..	..
Total	1,303	7,250	1,291	7,070	12	180
Southern Circle.						
South Canara	158 (*d*) — 2	898 (*d*) — 3	120	722	36	173
North Malabar	26	260	23	256	3	4
South Malabar	14 (*e*) — 4	265 (*e*) — 24	8	194	2	47
The Nilgiris	428	414	428	414	..	..
North Coimbatore	51	1,652 (*a*) — 9 (*f*) — 2	47	1,368	4	273
South Coimbatore	21 (*e*) + 4	662 (*e*) + 24	25	686	..	..
Madura	150	668 (*a*) + 2 (*b*) — 4	150	666	..	..
Tinnevelly	69 (*a*) — 1	438 (*a*) — 1	67	437	1	(*g*)
Total	914	5,240	868	4,743	46	497
Grand Total, Presidency	3,004	19,207	2,923	18,288	81	919

(*a*) Rectification. (*b*) Excluded at settlement. (*c*) Rounding off fractions in previous year's figures.
(*d*) Abandoned. (*e*) Transferred from South Malabar to South Coimbatore in October 1905.
(*f*) Disafforested. (*g*) Below one square mile.

APPENDIX C.—Particulars of balance of Lands under Settlement—*cont.*

District.	Settled and reported on.								Settled but not reported on.		Settlement proceeding.	
	Notified under section 16 during 1905–1906, but reservation effected only after 30th June 1906.		With Board or Government awaiting publication of Notification under section 16.		Returned by the Board for revision and remaining either with Collector, District Forest-officer or Forest Settlement-officer.		Total settled and reported on.					
	Number.	Area.	Number.	Area.	Number.	Area.	Number.	Area.	Number.	Area.	Number.	Area.
	8	9	10	11	12	13	14	15	16	17	18	19
Northern Circle.		SQ. MLS.		SQ. MLS.		SQ. MLS.		SQ. MLS.		SQ. MLS.		SQ. MLS.
Ganjám	..	..	1	60	..	..	1	60	..	..	..	..
Vizagapatam ..	..	..	..	..	..	..	..	..	..	..	..	..
Gódávari	..	..	..	..	..	..	..	..	1	75	..	..
Kistna	..	..	..	..	..	..	..	..	..	..	..	..
Guntúr	..	..	..	..	..	..	..	..	..	..	..	..
Kurnool, East ..	..	..	..	..	..	..	..	..	..	..	..	..
Kurnool, West ..	1	5	2	10	1	73	4	88	..	..	..	..
Bellary	..	..	..	..	..	..	..	..	..	..	..	..
Anantapur ..	6	5	..	..	..	..	6	5	..	..	11	14
Total ..	7	10	3	70	1	73	11	153	1	75	11	14
Central Circle.												
Cuddapah	..	..	..	..	2	107	2	107	..	..	..	..
Nellore	..	..	..	..	..	..	..	..	..	..	..	..
Chingleput ..	..	..	..	..	..	..	..	..	..	..	..	..
North Arcot ..	1	(*a*)	(*b*) 1	(*a*)	..	..	2	(*a*)	..	..	2	1
South Arcot ..	..	..	..	..	..	..	..	..	..	..	..	..
North Salem ..	2	5	1	15	..	..	3	20	1	46	..	..
South Salem ..	..	..	1	4	..	..	1	4	..	..	..	..
Trichinopoly ..	..	..	..	..	..	..	..	..	1	2	..	..
Tanjore	..	..	..	..	..	..	..	..	..	..	..	..
Total ..	3	5	3	19	2	107	8	131	2	48	2	1
Southern Circle.												
South Canara ..	2	4	7 (*b*) 1	47 3	6	46	16	100	6	55	14	18
North Malabar ..	2	4	..	..	..	..	2	4	..	..	1	(*a*)
South Malabar ..	..	..	(*b*) 1	2	..	..	1	2	..	..	1	45
The Nilgiris .	..	..	..	..	..	..	..	..	..	..	..	..
North Coimbatore.	..	..	(*b*) 1	11	1	16	2	27	2	246	..	..
South Coimbatore.	..	..	..	..	..	..	..	..	..	..	..	..
Madura	..	..	..	..	..	..	..	..	..	..	..	..
Tinnevelly ..	..	..	..	..	..	..	..	..	..	..	1	(*a*)
Total ..	4	8	10	63	7	62	21	133	8	301	17	63
Grand Total, Presidency ..	14	23	16	152	10	242	40	417	11	424	30	78

(*a*) Below one square mile. (*b*) Notified under section 16 after the close of the year.

APPENDIX C.—Particulars of balance of Lands under Settlement—*cont.*

Districts.	Of lands notified under section 4																									
	1891-92.		1894-95.		1895-96.		1896-97.		1897-98.		1898-99.		1899-1900.		1900-1901.		1901-1902.		1902-1903.		1903-1904.		1904-1905.		1905-1906.	
	Number.	Area.	Number.	Area.	Number.	Area.	Number.	Area.	Number.	Area.	Number.	Area.	Number.	Area.	Number.	Area.	Number.	Area.	Number.	Area.	Number.	Area.	Number.	Area.	Number.	Area.
	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45
Northern Circle.		S. M.		S. M.		S. M.		S. M.		S. M.		S. M.		S. M.		S. M.		S. M.		S. M.		S. M.		S. M.		S. M.
Ganjám ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	60	..	..	..	..
Vizagapatam ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Gódávari ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	75	..	..	..	..	..	..	..	..
Kistna	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Guntúr	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Kurnool, East ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Kurnool, West ..	..	..	..	..	..	..	..	..	1	73	..	..	..	..	..	..	..	..	..	..	3	15	..	..	..	..
Anantapur ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	5	10	12	9
Total ..	..	..	..	..	..	..	..	..	1	73	..	..	..	..	..	..	1	75	..	..	4	75	5	10	12	9
Central Circle.																										
Cuddapah ..	..	..	2	107	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Nellore	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Chingleput ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
North Arcot .	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	(a)	..	..	1	(a)	2	1
South Arcot ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
North Salem ..	..	..	..	..	..	..	..	..	..	..	..	..	1	4	2	61	..	..	..	..	..	..	..	..	1	1
South Salem ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	4	..	..	..	..	..	..	..	..
Trichinopoly ..	..	..	..	..	..	..	..	..	..	..	1	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Tanjore ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total ..	..	..	2	107	..	..	..	..	..	..	1	2	1	4	2	61	1	4	1	(a)	..	..	1	(a)	3	2
Southern Circle.																										
South Canara ..	..	..	1	3	1	4	2	8	..	..	1	15	..	..	..	..	1	12	..	..	4	9	12	104	14	18
North Malabar..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	2	2
South Malabar..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	45	1	2	..	..
The Nilgiris ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
North Coimbatore	1	246	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	16	..	..	..	..	1	11	(a)	..
South Coimbatore	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Madura ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Tinnevelly ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	(a)	..	..	..	..	..	..	..	..
Total ..	1	246	1	3	1	4	2	8	..	..	1	15	..	..	..	..	3	28	..	..	5	54	15	118	17	21
Grand Total ..	1	246	3	110	1	4	2	8	1	73	2	17	1	4	2	61	5	107	1	(a)	9	129	21	128	32	32

(a) Below one square mile.

APPENDIX D.—Causes of delay in the submission of final notifications of Forest reserves.

Districts.	Notified under section 16 during 1905–1906, but with effect only after 30th June 1906.	With Board or Government awaiting publication of notification under section 16.	Returned by the Board to Collectors for revision.	Pending check and revision by Collectors and not submitted to the Board.	Awaiting disposal of appeals.	Awaiting inspection and Settlement of claims by the Forest officers.	Awaiting renotification under section 4.	Total.
1	2	3	4	5	6	7	8	9
Northern Circle.								
Ganjám	..	1	..	..	..	..	..	1
Vizagapatam	..	..	..	..	..	..	..	..
Gódávari	..	..	..	..	1	..	..	1
Kistna	..	..	..	..	..	..	..	..
Guntúr	..	..	..	..	..	..	..	..
Kurnool, East	..	..	..	..	..	..	..	..
Kurnool, West	1	2	1	..	..	..	..	4
Bellary	..	..	..	..	..	..	..	..
Anantapur	6	..	..	..	..	11	..	17
Central Circle.								
Cuddapah	..	..	2	..	..	..	..	2
Nellore	..	..	..	..	..	..	..	..
Chingleput	..	..	..	..	..	..	..	..
North Arcot	1	1	..	..	..	2	..	4
South Arcot	..	..	..	..	..	..	..	..
North Salem	2	1	..	..	1	..	..	4
South Salem	..	1	..	..	..	..	..	1
Trichinopoly	..	..	..	1	..	..	..	1
Tanjore	..	..	..	..	..	..	..	..
Southern Circle.								
South Canara	2	8	6	6	..	14	..	36
North Malabar	2	..	..	..	..	1	..	3
South Malabar	..	1	..	1	..	..	..	2
The Nilgiris	..	..	..	..	..	..	..	..
North Coimbatore.	..	1	1	2	..	..	..	4
South Coimbatore	..	..	..		..	..	..	..
Madura	..	..	..	..	..	..	..	..
Tinnevelly	..	..	..	..	..	..	1	1
Total ..	14	16	10	10	2	28	1	81

APPENDIX E.—Reserved Lands not under Settlement in square miles.

Districts.	Up to 1904–1905.	Added during 1904–1905.	Added during 1905–1906.	Total.	Transferred to settlement.				Balance "reserved lands" not under settlement.
					Up to 1904–1905.	During 1904–1905.	During 1905–1906.	Total.	
1	2	3	4	5	6	7	8	9	10
Northern Circle.									
Ganjám	598	...	..	598	598	..	..	598	..
Vizagapatam ..	345	..	..	345	298	..	..	298	47
Gódávari	943	..	..	943	943	..	..	943	..
Kistna	280	..	..	280	280	..	..	280	..
Guntúr	814	..	..	814	814	..	..	814	..
Kurnool, East ..	1,479	..	..	1,479	1,479	..	..	1,479	..
Kurnool, West ..	1,169	..	(*b*) — 17	1,152	1,169	..	(*b*) — 17	1,152	..
Bellary	688	(*b*) — 1	..	687	624	..	..	624	63
Anantapur	510	11	(*a*) — 9, 1	529	510	11	(*a*) — 9, 1	529	..
Total ..	6,826	10	— 9	6,827	6,715	11	— 9	6,717	110
Central Circle.									
Cuddapah	2,360	(*b*) — 2	(*b*) — 5	2,353	2,360	(*b*) — 2	(*b*) — 5	2,353	..
Nellore	738	..	(*g*) + 1	739	738	..	(*g*) + 1	739	..
Chingleput ..	214	..	..	214	214	..	..	214	..
North Arcot ..	1,290	..	1	1,291	1,290	..	1	1,291	(*c*)
South Arcot ..	663	..	..	663	663	..	..	663	..
North Salem ..	923	..	1, (*a*) + 1, (*b*) — 2	923	923	..	1, (*a*) + 1, (*b*) — 2	923	..
South Salem ..	733	..	(*a*) — 1	732	733	..	(*a*) — 1	732	..
Trichinopoly ..	315	1, (*b*) — 1	..	315	315	1, (*a*) — 1	..	315	..
Tanjore	20	..	..	20	20	..	..	20	..
Total ..	7,256	— 2	— 4	7,250	7,256	— 2	— 4	7,250	..
Southern Circle.									
South Canara ..	1,069	(*b*) — 2	(*d*) — 5, (*h*) — 3	1,059	776	104	18, (*h*) — 3	895	164
North Malabar ..	256	1	3	260	256	1	3	260	..
South Malabar ..	284	..	(*e*) — 24	260	263	2	(*e*) — 24	241	19
The Nilgiris ..	499	..	..	499	414	..	..	414	85
North Coimbatore.	1,648	12	(*a*) — 17, (*f*) — 2	1,641	1,640	12	(*a*) — 9, (*f*) — 2	1,641	..
South Coimbatore	662	..	(*e*) + 24	686	662	..	(*e*) + 24	686	..
Madura	619	52, (*d*) — 3	(*a*) + 2, (*b*) — 4	666	619	52, (*d*) — 3	(*a*) + 2, (*b*) — 4	666	..
Tinnevelly ..	438	..	(*a*) — 1	437	438	..	(*a*) — 1	437	..
Total ..	5,475	60	— 27	5,508	5,068	168	4	5,240	268
Grand Total ..	19,557	68	— 40	19,585	19,039	177	— 9	19,207	378

(*a*) Rectification. (*b*) Excluded at settlement. (*c*) Below one square mile.
(*d*) Unreserved. (*e*) Transferred from South Malabar to South Coimbatore. (*f*) Disafforested.
(*g*) Rounding off fractions in previous year's figures. (*h*) Initial notification cancelled.

APPENDIX F.—Abstract of district reports in regard to the maintenance of maps in accordance with the provisions of section 81 of the Forest Code.

Northern Circle.

Ganjám.—The district and range reference maps have been maintained. Maps for all fire-protected areas are kept. Nine coupe maps, one taluk map, one reserve map, six copies of working-plans maps and one (Dasapalli) boundary map have been prepared in the year.

Vizagapatam.—A district reference map on the scale of 4 miles to an inch showing all reserves, roads, forest bungalows and stations and other items affecting the administration of the department, three range forest reference maps, and sketch-maps for reserves have been maintained.

Gódávari.—The district map (1″ = 4 miles) showing all reserves, etc., has been maintained as also range forest maps (1″=1 mile). Separate maps for each reserve are also kept.

Kistna.—The district and range maps have been maintained as usual. Maps for 27 square miles of reserved forests were prepared during the year.

Guntúr.—The district range maps have been maintained as usual. Tracing maps for an area of 351 square miles have been prepared and sent to the Deputy Director of Survey and printed maps are awaited.

Kurnool, East.—The maps referred to in the previous years' reports have been maintained.

Kurnool, West.— Do. do. do.

Bellary.—The district, range, and reserve maps were maintained as usual.

Anantapur.—Final maps for 511 square miles of reserved forests have been maintained.

Central Circle.

Cuddapah.—The district and taluk maps were maintained and posted up as usual. Maps for special fire-protected blocks from 4″ survey map to reduced scale 3 miles = 4″ were prepared during the year.

Nellore.—Copies of sketches of final maps for the Kanigiri, Kávali, Udayagiri, Rapur, Coast and Sríharikóta ranges were prepared and supplied to Range offices during the year.

Chingleput.—The coupe divisions with their area of six blocks of Chingleput range were marked on the litho plans for the information of the District Forest-officer during the year. Coupe lines were altered for ten blocks of Chingleput range during the year. Working plan sketches for 17 working circles of Tiruvallúr range and 20 of Chingleput range were prepared during the year. Copies for the litho plans of six blocks received from the Survey office were supplied to the Range officers, Conservator, Board and Government.

North Arcot.—Final maps for 6¾ square miles have been prepared during the year.

South Arcot.—In the case of 28 reserves tracing cloth maps were compared and in the case of 12 reserves tracing cloth maps were prepared. The boundaries of 109 reserves were delineated in the village maps received from taluks. In the case of 21 reserves blocks were marked on the village maps. In the case of 13 reserves proofs were corrected for publication in the Survey office.

North Salem.—The district forest reference map and range forest reference maps are maintained. There are Survey of India maps (4″ = 1 mile) for 66 reserved forests, Madras Survey maps (8 ″ = 1 mile) for six reserved forests and departmental survey maps (4″=1 mile) for two reserved forests. Working-plan maps (4″=1 mile) are also maintained.

South Salem.—The district forest reference map and two sets of range forest reference maps, separate maps for each reserve and separate working-plan maps were maintained.

Trichinopoly.—The district reference map is maintained, also the taluk or range maps. Tracing maps of 9 reserved forests in Kulittalai, of 8 in Vyampatti, of 24 in the Musiri, of 19 in the Perambalúr and 22 in Udaiyárpálaiyam ranges aggregating 146 square miles were prepared besides 17 square miles.

Tanjore.—The district as well as the range reference maps are maintained. Separate maps were prepared for each reserve with topographical features and admitted rights indicated therein; working-plan maps on the 8″ scale are maintained for the Vettangudi reserved forests and the North, South and Neidavasal casuarina plantations.

Southern Circle.

South Canara.—The district reference map is posted up to date and maps are maintained for all reserved forests except Bhagimale and Mujimale, which have been surveyed by the Survey of India.

The Nilgiris.—This office reference map has been posted up to the end of June 1906 and the range topo and settlement maps have all been similarly posted. There are no separate maps for reserves except Mudumalai, Benne and Kumbarakolli forests; but there are settlement maps for every village in the district, which are duly maintained with all the reserves shown therein in accordance with notifications under section 16. Working circle plans prepared by Messrs. Gamble and Arbuthnot are maintained for the reserves given below: 1. Aramby, 2. Cairn Hill, 3. Bleak House, 4. River Reserve, 5. Tiger Hill, 6. Bandy Shola, 7. Coonoor Peak, 8. Burliyar, 9. Benne.

North Malabar.—Two copies of Kolvalli Serambi plan, two copies of Begur working-plan map on reduced scale, two copies of Begur reserve map, four copies of Chedleth working-plan map and three copies of each of certain settlement maps were drawn up. Reference maps have been posted.

South Malabar.—Three copies of Beypore tope working-plan, one copy of Karimpoya planting maps, two copies of district reference map, three range maps and two copies of Silent Valley map with adjoining lands have been posted.

North Coimbatore.—The office reference map is maintained. Reserve maps for all the reserves in the Erode range (Erode, Dhárápuram and Karúr taluks) are prepared. Settlement maps have been supplied to all Range officers for the principal reserves to be used together with topographical sheets until the survey is completed. Fire conservancy maps have been prepared for all protected blocks.

South Coimbatore.—(1) District forest reference map has been maintained in duplicate.

(2) Range forest reference maps. The taluk maps (scale 1″ =1 mile) have been utilized for these and particulars relating to the five ranges have been entered.

(3) There are Survey of India maps of all reserves except Elayamuthur, Dhalli, Sankarayapuram, Vellimalai and Avanashi for all of which there are Madras Survey maps.

(4) There are separate maps for each of the working circles.

Madura.—The district reference map was posted up as also the reserve maps. Survey of India maps exist for all except three reserves.

Tinnevelly.—The district reference map has been posted up to 30th June 1906. The Kolandamamalai and Nilavittam reserve maps (proofs) are being verified.

APPENDIX G.—Statement showing the area of Reserved Forests for which final maps have been prepared.

Districts.	Area of reserved forests.	Area of reserved forests for which final maps have been prepared.
	SQ. MILES.	SQ. MILES.
Ganjám	538	538
Vizagapatam	298	14
Gódávari	868	..
Kistna	280	117
Guntúr	814	463
Kurnool (East)	1,479	1,336
Kurnool (West)	1,064	246
Bellary	624	499
Anantapur	510	510
Cuddapah	2,246	2,246
Nellore	739	449
Chingleput	214	214
North Arcot	1,290	1,276
South Arcot	663	663
North Salem	857	857
South Salem	728	700
Trichinopoly	313	108
Tanjore	20	20
South Canara	722	708
North Malabar	256	256
South Malabar	194	11
The Nilgiris	414	414
North Coimbatore	1,368	639
South Coimbatore	686	686
Madura	666	666
Tinnevelly	437	416
Total ..	18,288	14,046

Annual Form No. 44.

Forest Department, Madras Presidency.

Area of reserved forests and reserved lands during 1905-1906.

District.	Area of reserved forests.						Area of reserved lands.						Total area of reserved forests and reserved lands.
	Area on 1st July 1905.		Added during the year.	Excluded during the year.	Area on 30th June 1906.		Area on 1st July 1905.		Added during the year.	Excluded during the year.	Area on 30th June 1906.		
	Acres.	Equivalent in square miles.	Acres.	Acres.	Acres.	Equivalent in square miles.	Acres.	Equivalent in square miles.	Acres.	Acres.	Acres.	Equivalent in square miles.	
													Sq. Mls.
Northern Circle.													
Ganjám	344,589	538	95	..	344,684	538	38,495	60	..	95	38,400	60	598
Vizagapatam	190,700	298	..	..	190,700	298	30,009	47	..	..	* 30,009	47	345
Gódávari	554,999	867	495	..	555,494	868	48,450	76	..	495	47,955	75	943
Kistna	179,192	280	227	..	179,419	280	260	..	23	260	23	..	280
Guntúr	521,191	814	18	..	521,209	814	18	..	..	18	..	..	814
Kurnool, East	† 945,635	1,478	537	..	946,172	1,479	537	1	..	537	..	..	1,479
Kurnool, West	† 676,553	1,057	4,397	207	680,743	1,064	71,524	112	..	15,213	56,311	88	1,152
Bellary	384,794	601	14,780	144	399,430	624	54,799	86	..	14,799	40,000	63	687
Anantapur	326,089	510	381	..	326,470	510	6,984	11	5,862	381	12,465	19	529
Total ..	4,123,742	6,443	20,930	351	4,144,321	6,475	251,076	393	5,885	31,798	225,163	352	6,827
Central Circle.													
Cuddapah	1,433,982	2,241	3,289	23	1,437,248	2,246	74,759	117	..	6,355	68,404	107	2,353
Nellore	470,110	734	2,681	..	472,791	739	2,806	4	..	2,806	..	..	739
Chingleput	136,812	214	1	..	136,813	214	..	..	..	..	..	..	214
North Arcot	825,349	1,290	..	..	825,349	1,290	345	1	491	..	836	1	1,291
South Arcot	424,650	663	..	..	424,650	663	..	..	..	..	..	..	663
North Salem	532,644	832	15,626	..	548,270	857	58,426	91	943	17,223	42,146	66	923
South Salem	466,151	728	..	..	466,151	728	2,759	4	..	..	2,759	4	732
Trichinopoly	198,199	310	2,098	..	200,297	313	3,245	5	..	2,105	1,140	2	315
Tanjore	12,461	20	..	..	12,461	20	..	..	..	..	..	..	20
Total ..	4,500,358	7,032	23,695	23	4,524,030	7,070	142,340	222	1,434	28,489	115,285	180	7,250
Southern Circle.													
South Canara	‡ 431,643	674	30,655	11	462,287	722	‡ 251,517	393	103	36,102	215,518	337	1,059
North Malabar	150,048	235	13,715	..	163,763	256	14,637	23	1,588	13,715	2,510	4	260
South Malabar	139,839	218	..	15,392	124,447	194	42,032	66	..	..	42,032	66	260
The Nilgiris	263,810	412	941	2	264,749	414	55,810	87	..	941	54,869	85	499
North Coimbatore	882,216	1,378	..	6,575	875,641	1,368	180,480	282	1	6,005	174,476	273	1,641
South Coimbatore	423,657	662	15,392	..	439,049	686	..	..	..	..	..	..	686
Madura	394,021	616	32,482	..	426,503	666	33,394	52	..	33,394	..	..	666
Tinnevelly	279,505	437	20	..	279,525	437	459	1	..	178	281	..	437
Total ..	2,964,739	4,632	93,205	21,980	3,035,964	4,743	578,329	904	1,692	90,335	489,686	765	5,508
Grand Total ..	11,588,839	18,107	137,830	22,354	11,704,315	18,288	971,745	1,519	9,011	150,622	830,134	1,297	19,585

* Excludes 388,531 acres of forest under the disposal of Government in the Palkonda and Golgonda Agency tracts, for the management of which special rules have been framed under section 26 of the Act.
† Correct figure due to the inclusion of the areas of the portions of certain reserves actually lying in the East Division but wrongly shown in the West Division in the previous year's return.
‡ Correct figure.

Form No. 44.

District.	Name of forest.	Area on 1st July 1905. Acres.	Area on 1st July 1905. Equivalent in square miles.	Added during the year. Acres.	Excluded or transferred to other heads. Acres.	Area on 30th June 1906. Acres.	Area on 30th June 1906. Equivalent in square miles.	Number and date of notification of addition or transfer.
	Northern Circle.							
	Reserved forests.							
Ganjám.	Agustinowgam extension A to D.	..	..	78	..	78	..	No. 26, dated 27th December 1905.
	Ambozora extension	..	..	17	..	17	..	No. 56, dated 29th January 1906.
	Area notified in previous years ..	344,589	538	..	..	344,589	538	
	Total ..	344,589	538	95	..	344,684	538	
	Reserved lands not transferred to reserved forests during the year.							
	Area notified in previous years ..	38,400	60	..	..	38,400	60	
	Reserved forests.							
Vizagapatam.	Area notified in previous years..	190,700	298	..	..	190,700	298	
	Reserved lands not transferred to reserved forests during the year.							
	Area notified in previous years ..	30,009	47	..	..	* 30,009	47	
	Reserved forests.							
Gódávari.	Lakkavaram extension	..	..	495	..	495	..	No. 281, dated 15th July 1905.
	Area notified in previous years..	554,999	..	..	..	554,999	..	
	Total ..	554,999	867	495	..	555,494	868	
	Reserved lands not transferred to reserved forests during the year.							
	Area notified in previous years..	47,955	75	..	..	47,955	75	
	Reserved forests							
Kistná..	Jaggayapet extension No. 4 ..	..	..	57	..	57	..	No. 278, dated 14th July 1905.
	Jangalapalli extension No. 1 ..	..	..	25	..	25	..	
	Do. ,, 2 ..	..	..	5	..	5	..	No. 463, dated 19th December 1905.
	Do. ,, 3 ..	..	..	24	..	24	..	
	Do. ,, 4 ..	..	..	59	..	59	..	
	Do. ,, 5 ..	..	..	57	..	57	..	
	Area notified in previous years..	179,192	..	..	..	179,192	..	
	Total ..	179,192	280	227	..	179,419	280	
	Reserved lands not transferred to reserved forests during the year.							
	Area notified in previous years.	.. 33	..	.. 23	.. † 33	.. 23	..	
	Total ..	33	..	23	33	23	..	
	Reserved forests.							
Guntúr.	Nidamarru block No. I-A. extension No. 1.	..	..	8	..	8	..	No. 128, dated 20th March 1906.
	Nidamarru block No. II. extension No. 1.	..	..	10	..	10	..	
	Area notified in previous years ..	521,191	..	..	..	521,191	..	
	Total ..	521,191	814	18	..	521,209	814	
	Reserved lands not transferred to reserved forests during the year.— Nil.							
	Reserved forests.							
Kurnool, East.	Baddivid extension	..	..	537	..	537	..	No. 139. dated 27th March 1905.
	Area notified in previous years ..	‡ 945,635	..	..	..	945,635	..	
	Total ..	945,635	1,478	537	..	946,172	1,479	
	Reserved lands not transferred to reserved forests during the year.— Nil.							

* Excludes 388,531 acres of forest under the disposal of Government in the Palkonda and Golgonda Agency tracts, for the management of which special rules have been framed under section 26 of the Act.

† Excluded at settlement.

‡ This includes the portion of the Nandikotkúr reserve covering an area of 137,528 acres transferred to Markapur reserve in Government Order, No. 149, dated 10th March 1897, and portions of Gazulapalli, Nandyal, and Sirvel reserves measuring 256:60,479 and 8,192 acres respectively included in the Railway circle of the East district wrongly shown in the West district in the previous years' list.

District.	Name of forest.	Area on 1st July 1905. Acres.	Area on 1st July 1905. Equivalent in square miles.	Added during the year. Acres.	Excluded or transferred to other heads. Acres.	Area on 30th June 1906. Acres.	Area on 30th June 1906. Equivalent in square miles.	Number and date of notification of addition or transfer.
	NORTHERN CIRCLE—*cont.*							
	Reserved forests.							
Kurnool, West.	Voddamannu	..	..	1,283	..	1,283	..	No. 249, dated 21st June 1905.
	Lanjabanda extension	..	..	3,114	..	3,114	..	No. 468, dated 19th December 190
	Area notified in previous years	* 676,553	..	..	† 207	676,346	..	
	Total	676,553	1,057	4,397	207	680,743	1,064	
	Reserved lands not transferred to reserved forests during the year.							
	Area notified in previous years	67,127	105	..	‡ 10,816	56,311	88	
	Reserved forests							
Bellary.	Jummannobanahalli	..	..	7,878	..	7,878	..	No. 280, dated 15th July 1905.
	Halasagaram	..	..	5,620	..	5,620	..	No. 450, dated 1st December 1905.
	Tonashagiri	..	..	1,282	..	1,282	..	No. 76, dated 16th February 1906.
	Area notified in previous years	384,794	..	..	§ 144	384,650	..	No. 841, dated 9th September 1905.
	Total	384,794	601	14,780	144	399,430	624	
	Reserved lands not transferred to reserved forests during the year.							
	Area notified in previous years	40,019	63	..	‡ 19	40,000	63	
	Reserved forests.							
Anantapur.	Yerlamapalli addition	..	..	361	..	361	..	No. 63, dated 1st February 1906.
	Molakatalla addition I	..	..	11	..	11	..	No. 97, dated 2nd March 1906.
	Dokkulakonda addition I	..	..	9	..	9	..	No. 978, dated 2nd March 1906.
	Area notified in previous years	326,089	..	..	..	326,089	..	
	Total	326,089	510	381	..	326,470	510	
	Reserved lands not transferred to reserved forests during the year.							
	Gudipad	..	..	2,522	..	2,522	..	No. 291, dated 20th July 1905.
	Yadiki extensions Nos. I to VI.	..	..	225	..	225	..	No. 350, dated 12th September 1905.
	Ravulidiki additions Nos. I and II.	..	..	6	..	6	..	No. 365, dated 20th September 1905.
	Muchukota addition No. VIII	..	..	12	..	12	..	No. 383, dated 2nd October 1905.
	Yerlampalli addition II	..	..	13	..	13	..	No. 413, dated 4th November 1905.
	Hoitabetta North addition	..	..	8	..	8	..	No. 422, dated 14th November 1905.
	Beluguppa	..	..	2,954	..	2,954	..	No. 432, dated 10th November 1905.
	Guttur reserve addition	..	..	9	..	9	..	No. 22, dated 21st December 1905.
	Katrimalla additions I and II	..	..	79	..	79	..	No. 27, dated 26th December 1905.
	Elavalakonda addition	..	..	4	..	4	..	No. 88, dated 23rd February 1906.
	Jauneavulapalli additions I & II.	..	..	23	..	23	..	No 112, dated 9th March 1906.
	Neradikonda addition	..	..	7	..	7	..	No. 95, dated 10th April 1906.
	Area notified in previous years.	6,603	..	..	..	6,603	..	
	Total	6,603	10	5,862	..	12,465	19	

* *Vide* remarks *supra* against Kurnool East division.
† Excluded from the Pyapali extension reserve by the publication of a revised notification.
‡ Excluded at settlement. § Portion of Chiribi reserve disafforested.

District.	Name of forest.	Area on 1st July 1905. Acres.	Area on 1st July 1905. Equivalent in square miles.	Added during the year. Acres.	Excluded or transferred to other heads. Acres.	Area on 30th June 1906. Acres.	Area on 30th June 1906. Equivalent in square miles.	Number and date of notification of addition or transfer.
	CENTRAL CIRCLE.							
	Reserved forests.							
Cuddapah.	Papepalli, East	..	..	3,285	..	3,285	..	No. 325, dated 23rd August 1905.
	Survey No. 281-4 of Diguvakalvatala.	..	..	4	..	4	..	No. 349, dated 15th September 1905.
	Area notified in previous years	1,433,982	..	..	(a) 23	1,433,959	..	
	Total	1,433,982	2,241	3,289	23	1,437,248	2,246	
	Reserved lands not transferred to reserved forests during the year.							
	Area notified in previous years	71,470	107	..	(b) 3,066	68,404	107	
	Reserved forests.							
Nellore.	Anemadugu Chennayapalem palmyra tope	..	..	2,681	..	2,681	..	No. 144, dated 29th March 1905.
	Area notified in previous years	470,110	..	..	..	470,110	..	
	Total	470,110	734	2,681	..	472,791	739	
	Reserved lands not transferred to reserved forests during the year.							
	Area notified in previous years	125	..	..	(c) 125	..	..	
	Reserved forests.							
Chingleput.	Area notified in previous years	136,812	214	(d) 1	..	136,813	214	
	Reserved lands not transferred to reserved forests during the year—Nil.							
	Reserved forests.							
North Arcot.	Area notified in previous years	825,349	1,290	..	..	825,349	1,290	
	Reserved lands not transferred to reserved forests during the year.							
	Bommasamudram C	..	..	465	..	465	..	No. 351, dated 15th September 1905.
	Extension to Mamandur extension	..	..	26	..	26	..	No. 30, dated 21st December 1905.
	Area notified in previous years	345	..	..	..	345	..	
	Total	345	..	491	..	836	1	
	Reserved forests.							
South Arcot.	Area notified in previous years	424,650	663	..	..	424,650	663	
	Reserved lands not transferred to reserved forests during the year—Nil.							
	Reserved forests.							
North Salem.	Urigam	..	..	7,984	..	7,984	..	No. 324, dated 19th August 1905.
	Kempakarai and Tholuvabettu	..	..	(e) 7,642	..	7,642	..	No. 113, dated 10th March 1906.
	Area notified in previous years	532,644	..	..	..	532,644	..	
	Total	532,644	832	15,626	..	548,270	857	

(a) Excluded by a revision of the boundary line.
(b) Excluded at settlement.
(c) Excluded during the settlement of the Anemadugu Chennayapalam palmyra tope.
(d) Rectification.
(e) Includes 519 acres added during the year on a more correct computation of the area of the blocks.

District.	Name of forest.	Area on 1st July 1905. Acres.	Area on 1st July 1905. Equivalent in square miles.	Added during the year. Acres.	Excluded or transferred to other heads. Acres.	Area on 30th June 1906. Acres.	Area on 30th June 1906. Equivalent in square miles.	Number and date of notification of addition or transfer.
	CENTRAL CIRCLE—*cont.*							
	Reserved lands not transferred to reserved forests during the year.							
North Salem—*cont.*	Nyamasantheram agraharam ..	..	..	424	..	424	..	No. 319, dated 8th August 1905.
	Area notified in previous years..	43,319	..		* 1,597	41,722	66	
	Total ..	43,319	68	424	1,597	42,146	66	
	Reserved forests.							
South Salem.	Area notified in previous years..	466,151	728	..	..	466,151	728	
	Reserved lands not transferred to reserved forests during the year.							
	Area notified in previous years ..	2,759	4	..	..	2,759	4	
	Reserved forests.							
Trichinopoly.	Sengattupatti extension	..	..	1,616	..	1,616	..	No. 272, dated 4th July 1905.
	Upper Anicut padugais	..	..	482	..	482	..	No. 25, dated 26th December 1905.
	Area notified in previous years ..	198,199	..	..	..	198,199	..	
	Total ..	198,199	310	2,098	..	200,297	313	
	Reserved lands not transferred to reserved forests during the year.							
	Area notified in previous years ..	1,147	2	..	* 7	1,140	2	
	Reserved forests.							
Tanjore.	Area notified in previous years ..	12,461	20	..	..	12,461	20	
	Reserved lands not transferred to reserved forests during the year—Nil.							
	SOUTHERN CIRCLE.							
	Reserved forests.							
South Canara.	Kodialmale	..	..	706	..	706	..	No. 114, dated 18th March 1905.
	Vorwadi	..	..	823	..	823	..	No. 138, dated 27th March 1905.
	Tombattu extension	..	..	246	..	246	..	No. 162, dated 10th April 1905.
	Kunthur ,, ...	..	..	20	..	20	..	No. 161, dated 11th April 1905.
	Kallapattimale	..	..	1,024	..	1,024	..	No. 168, dated 20th April 1905.
	Yenekal	..	..	3,434	..	3,434	..	No. 230, dated 2nd June 1905.
	Dondalarabi	..	..	976	..	976	..	No. 263, dated 27th June 1905.
	Kilarmale extension	..	..	5	..	5	..	No. 279, dated 15th July 1905.
	Tenkahola ,, ...	..	..	5	..	5	..	
	Naravi extension 1	..	..	19	..	19	..	No. 342, dated 28th August 1905.
	Do. 2	..	..	21	..	21	..	
	Do. 3	..	..	14	..	14	..	
	Dolpadi	..	..	1,022	..	1,022	..	No. 384, dated 2nd October 1905.
	Aivarnadu	..	..	1,758	..	1,758	..	No. 410, dated 30th October 1905.
	Mundajekap	..	..	474	..	474	..	No. 464, dated 18th December 1905.
	Paikadamale	..	..	1,365	..	1,365	..	No. 23, dated 26th December 1905.
	Subramanya	..	..	7,366	..	7,366	..	No. 24, dated 26th December 1905.
	Kanyarmale	..	..	3,174	..	3,174	..	No. 29, dated 21st December 1905.
	Adur	..	..	5,073	..	5,073	..	No. 55, dated 29th January 1906.
	Yenmuru	..	..	3,130	..	3,130	..	No. 99, dated 1st March 1906.
	Area notified in previous years.	431,643	..	..	† 11	431,632	..	
	Total ..	431,643	674	30,655	11	462,287	722	

* Excluded at settlement.

† Rectification.

District.	Name of forest.	Area on 1st July 1905. Acres.	Area on 1st July 1905. Equivalent in square miles.	Added during the year. Acres.	Excluded or transferred to other heads. Acres.	Area on 30th June 1906. Acres.	Area on 30th June 1906. Equivalent in square miles.	Number and date of notification of addition or transfer.
	SOUTHERN CIRCLE—*cont.*							
	Reserved lands not transferred to reserved forests during the year.							
South Canara —*cont.*	Ballery	899	..	..	..	899	..	No. 380, dated 2nd October 1905.
	Bantamale extension II	..	..	24	..	24	..	No. 385, dated 4th October 1905.
	Kannadka	1,500	..	..	..	1,500	..	No. 408, dated 23rd October 1905.
	Dharmastala Mundaje extension I	..	..	1	..	1	..	No. 414, dated 4th November 1905.
	Do. do. II	544	..	..	..	544	..	No. 469, dated 19th December 1905.
	Do. do. III	619	..	..	..	619	..	No. 460, dated 19th December 1905.
	Bantaje	2,454	..	..	..	2,454	..	No. 462, dated 19th December 1905.
	Suvaramale	1,448	..	..	..	1,448	..	No. 20, dated 23rd December 1905.
	Dadanthamale	2,246	..	..	..	2,246	..	No. 21, dated 26th December 1905.
	Kunthur extension II	486	..	..	..	486	..	No. 31, dated 26th December 1905.
	Sampaje extension I	..	..	10	..	10	..	No. 64, dated 3rd February 1906.
	Halesomeshwar extension	..	..	3	..	3	..	No. 89, dated 23rd February 1906.
	Dharmastala Mundaje extension IV	974	..	..	..	974	..	No. 192, dated 21st April 1906.
	Shiradisisla extension II	113	..	..	..	113	..	No. 251, dated 9th May 1906.
	Irde	1,713	..	..	1,713	..	..	No. 465, dated 19th December 1905.
	Mandekole extension	1	..	..	1	..	..	No. 7, dated 20th December 1905.
	Area notified in previous years	207,865	..	65	* 262 † 3,471	204,197	..	
	Total	220,862	345	103	5,447	215,518	337	
	Reserved forests.							
North Malabar.	Kottiyur	..	..	13,715	..	13,715	..	No. 444, dated 22nd November 1905.
	Area notified in previous years	150,048	..	..	..	150,048	..	
	Total	150,048	235	13,715	..	163,763	256	
	Reserved lands not transferred to reserved forests during the year.							
	Kambanmalai	..	..	1,575	..	1,575	..	No. 272, dated 2nd June 1906.
	Begur addition	..	..	13	..	13	..	No. 284, dated 2nd June 1906.
	Area notified in previous years	922	..	..	..	922	..	
	Total	922	1	1,588	..	2,510	4	
	Reserved forests.							
South Malabar.	Area notified in previous years	139,839	218	..	‡ 15,392	124,447	194	
	Reserved lands not transferred to reserved forests during the year.							
	Area notified in previous years	42,032	66	..	..	42,032	66	
	Reserved forests.							
The Nilgiris.	Auduthorai reserve addition No. I	..	..	35	..	35	..	No. 178, dated 25th April 1905.
	Kodanad valley shola addition	..	..	170	..	170	..	Do. do.
	Kambatti	..	..	736	..	736	..	No. 166, dated 29th March 1906.
	Area notified in previous years	263,810	..	..	§ 2	263,808	..	No. 17, dated 18th February 1906.
	Total	263,810	412	941	2	264,749	414	
	Reserved lands not transferred to reserved forests during the year.							
	Area notified in previous years	54,869	85	..	..	54,869	85	

* Excluded at settlement.
† Unreserved.
‡ Transferred to South Coimbatore division on 16th October 1905.
§ Portion of the river reserve disafforested.

Range.	Name of forest.	Area on 1st July 1905. Acres.	Area on 1st July 1905. Equivalent in square miles.	Added during the year. Acres.	Excluded or transferred to other heads. Acres.	Area on 30th June 1906. Acres.	Area on 30th June 1906. Equivalent in square miles.	Number and date of notification of addition or transfer.
	SOUTHERN CIRCLE—*cont.*							
	Reserved forests.							
North Coimbatore.	Area notified in previous years..	876,601*	1,370	..	960†	875,641	1,368	No. 376, dated 26th September 1905.
	Reserved lands not transferred to reserved forests during the year.							
	Doddasampagai addition	..	..	1	..	1	..	
	Area notified in previous years ..	180,480	..	..	4,960‡ 1,045§	174,475	..	
	Total ..	180,480	282	1	6,005	174,476	273	
	Reserved forests.							
South Coimbatore.	Area notified in previous years..	423,657	662	15,392‖	..	439,049	686	
	Reserved lands not transferred to reserved forests during the year—Nil.							
	Reserved forests.							
	Ampthill Downs	..	..	31,276	..	31,276	..	No. 70, dated 9th February 1906.
	Kokkuparai addition	..	..	12	..	12	..	No. 75, dated 15th February 1906.
	Area notified in previous years..	394,021	..	1,194¶	..	395,215	..	
Madura.	Total ..	394,021	616	32,482	..	426,503	666	
	Reserved lands not transferred to reserved forests during the year.							
	Area notified in previous years..	2,106	..	..	2,106**	..	..	
	Reserved forests.							
	Jadekaithottem	..	..	3	..	3	..	No. 244, dated 14th June 1905.
	Kulisalkidai	..	..	1	..	1	..	
	Nadugani, second bit	..	..	6	..	6	..	
	Ladanthottem	..	..	10	..	10	..	No. 137, dated 27th March 1906.
	Area notified in previous years..	279,505	..	..	..	279,505	..	
Tinnevelly..	Total ..	279,505	437	20	..	279,525	437	
	Reserved lands not transferred to reserved forests during the year.							
	Vaiyur tank-bed	158	..	..	158	..	..	No. 225, dated 2nd May 1906.
	Area notified in previous years..	281	..	..	..	281	..	
	Total ..	439	..	..	158	281	..	

* The area of the Vellamundi reserve was wrongly entered in the previous year's returns as 16,292 acres instead of 10,677 acres.
† Area of the portion of the Nilgiri Eastern slopes reserve disafforested.
‡ Erroneously shown against N and S Burghur reserves in the previous year's returns.
§ Deducted on a more correct computation of the area of the Pachapalimalai block.
‖ Transferred from South Malabar.
¶ Added owing to the adoption of correct areas of the reserved forests according to the Survey of India maps.
** Excluded during the settlement of the Ampthill Downs reserve.

FORM

Forest Department,

STATEMENT showing the Progress made in, and the Expenditure

Name of forest district.	Area already settled at commencement of year.	Areas finally settled during the year.					
		Number and date of Government Order according final sanction to the settlement.	Name of forest settled.	Area.	Expenditure incurred during the year on areas finally settled.		Entire cost per square mile of areas finally settled during the year.
					In forest accounts.	In other accounts.	
1	2	3	4	5	6	7	8
							Northern
	SQ. MLS.			SQ. MLS.	RS.	RS.	
Ganjám ..	538	No. 1265, Revenue, dated 27th December 1905.	Agustinowgam extensions A to D.	.. (*a*)	..	..	..
		No. 88, Revenue, dated 29th January 1906.	Ambazora addition	.. (*a*)	..	..	..
			Total ..	..	..	..	..
Vizagapatam.	298	....	....	..	..	..	..
Gódávari ..	868	....	....	..	..	..	..
Kistna ..	280	No. 1225, Revenue, dated 19th December 1905.	Jangalapalli extension I ..	·04	..	921	..
			Do. II ..	·01			
			Do. III ..	·04			
		....	Do. IV ..	·09			
		....	Do. V ..	·09			
			Total ..	·27	..	921	..
Guntúr ..	814	No. 235, Revenue, dated 14th March 1906.	Nidamarru block I (*a*) extension I.	0·03	..	..	..
		....	Nidamarru block II extension I.				
Kurnool, East.	* 1,479	....	....	..	..	..	..
Kurnool, West.	* 1,059	No. 1224, Revenue, dated 19th December 1905.	Lanjabanda extension ..	4·81	..	..	..
		No. 378, Revenue, dated 26th April 1906.	Yemboyi	† 5·35	(*b*) 818	..	..
			Total ..	10·16	..	..	..

(*a*) Below 1 square mile.

* The difference between this and the previous year's figure is due to the fact that a portion of the Nandikotkur reserve with an area of 215·89 square miles transferred to Markapur reserve in Government Order, No. 149, dated 13th March 1897, and portions of Gazulapalle, Nandyal and Sirvel reserves with areas of 0·40 square mile, 94·49 square miles and 12·80 square miles, respectively, included in the Railway Working Circle of the East district were omitted by mistake to be shown in the previous year's return.

No. 45.

Madras Presidency.

incurred on, Forest Settlements, during 1905–1906.

Areas undergoing settlement.						Estimate of areas in which settlement operations have not yet commenced.
At commencement of the year.		Taken in hand during the year.		Expenditure incurred during the year on areas undergoing settlement.		
Name of tract.	Area.	Name of tract.	Area.	In forest accounts.	In other accounts.	
9	10	11	12	13	14	15
Circle.						
	SQ. MLS.				RS.	SQ. MLS.
Pondakhol and its addition ..	60	....	..	..	640	..
....	..	....	..	..	..	..
Total ..	..	Total ..	..	..	640	..
....	..	....	..	..	..	20
Coringa extension	75	....	..	..	..	..
....	..	....	..	..	..	·04
Total ..	..	Total ..	..	..	..	..
....	..	....	..	..	..	..
....	..	....	..	..	..	..
Gani	73	....	..	..	853	..
Owk extension	1	....	..	..	..	..
Rangapuram	9	....	..	..	..	..
Total ..	83	Total ..	..	..	353	..

(*b*) Amount spent for the demarcation of reserves notified in previous years.
† Reservation takes effect subsequent to the close of the year.

Statement showing the Progress made in, and the Expenditure

Name of forest district.	Area already settled at commencement of year.	Areas finally settled during the year.					
		Number and date of Government Order according final sanction to the settlement.	Name of forest settled.	Area.	Expenditure incurred during the year on areas finally settled.		Entire cost per square mile of areas finally settled during the year.
					In forest accounts.	In other accounts.	
1	2	3	4	5	6	7	8
							Northern
	sq. mls.			sq. mls.	rs.	rs.	
Bellary ..	614	No. 1169, Rev., dated 4th December 1905.	Halasagaram	8·78	..	..	..
		No. 146, Rev., dated 16th February 1906.	Tonashagiri	1·99	53	..	..
			Total ..	10·77	53	..	..
Anantapur ..	510	No. 94, Rev., dated 1st February 1906.	1. Yeralampalli addition ..	0·56	723	5,307	..
		No. 198, Rev., dated 2nd March 1906.	2. Dokkalakonda addition No. I	0·01	..		..
		No. 199, Rev., dated 2nd March 1906.	3. Molakatalla addition No. I.	0·02	..		..
		No. 345, Rev., dated 17th April 1906.	4. Gudipad reserve *	3·94	30		..
		No. 352, Rev., dated 20th April 1906.	5. Yadiki extensions I to VI. *	0·35	..		..
		No. 353, Rev., dated 20th April 1906.	6. Muchukota addition Nos. I to VII. *	0·07	..		..
		Do.	7. Yadiki additions I and VIII. *	0·04	..		..
		No. 437, Rev., dated 16th May 1906.	8. Ravuludiki addition * ..	0·01	..		..
		No. 456, Rev., dated 26th May 1906.	9. Muchukota addition VIII. *	0·02	..		..
			Total ..	5·02	753	5,307	..
							Central
Cuddapah ..	2,246	....	....	..	..	..	..
Nellore ..	739	....	....	..	..	793	..
Chingleput.	214	....	....	..	..	..	..
North Arcot.	1,290	No. 617, Rev., dated 4th July 1906.	Chittapara E block	0·2	..	..	..
			Total ..	0·2	..	..	..
South Arcot.	663	....	....	..	..	..	..
North Salem.	832	No. 768, Rev., dated 19th August 1905.	Urigam	12	..	..	..
		No. 223, Rev., dated 10th March 1906.	Kempakarai	10	..	..	..
			Tholuvabetta extension ..	2	..	..	..
		No. 394, Rev., dated 2nd May 1906.	Nyamasanthiram agraharam. *	1	..	..	..
		No. 590, Rev., dated 26th June 1906.	Mangalam South extension. *	4	..	..	..
			Total ..	29	..	..	..

* Reservation takes effect subsequent to the close of the year.

incurred on, Forest Settlements, during 1905–1906—*cont.*

Areas undergoing settlement.						Estimate of areas in which settlement operations have not yet commenced.
At commencement of the year.		Taken in hand during the year.		Expenditure incurred during the year on areas undergoing settlement.		
Name of tract.	Area.	Name of tract.	Area.	In forest accounts.	In other accounts.	
9	10	11	12	13	14	15
Circle—cont.						
	SQ. MLS.		SQ. MLS.	RS.	RS.	SQ. MLS.
Total ..	..	Total ..	..	..	..	
1. Ilur extension	1·36	....	..	165	..	
2. Pamidi hill	1·12	....	..	..	..	
3. Jambagumpala	7·73	....	..	265	..	
		1. Yerlampalli addition II ..	0·02	..	..	
		2. Hotabetta north addition.	0·02	..	..	
		3. Beluguppa block	4·61	94	..	
		4. Guttur reserve addition ..	0·01	..	..	
		5. Katrimala additions I and II.	0·12	..	..	
		6. Janneavalapalli additions I and II.	0·03	..	..	
		7. Elavalakonda addition ..	0·01	..	..	
		8. Neradikonda addition ..	0·01	..	..	
Total ..	10·21	Total ..	4·83	524	..	82
Circle.						
Ganganapalli extension ..	47	....	..	..	677	
Seshachalam extension ..	60	....	..	..		
....	107					
	..	....	..	..	..	
Mr. Whiteside's garden ..	0·01	Bommasamudram C block ..	0·726	..	..	
		Extension to Mamandur extension.	0·041	..	..	
Total ..	0·01	Total ..	0·767	..	..	
....	..	....	..	..	..	
....	..	....	..	..	..	
Hulibanda	14·75	....	..	..	..	
Hudaidurgam	45·75	....	..	..	..	
....	..	....	..	..	..	
....	..	....	..	..	..	
Total ..	60·50	Total ..	..	..	..	

Statement showing the Progress made in, and the Expenditure

Name of forest district.	Area already settled at commencement of year.	Areas finally settled during the year.					
		Number and date of Government Order according final sanction to the settlement.	Name of forest settled.	Area.	Expenditure incurred during the year on areas finally settled.		Entire cost per square mile of areas finally settled during the year.
					In forest accounts.	In other accounts.	
1	2	3	4	5	6	7	8
							Central
	SQ. MLS.			SQ. MLS.	RS.	RS.	RS.
South Salem.	728	....	....	..	..	..	..
Trichinopoly.	313	....	....	..	..	57	..
Tanjore ..	20	....	....	..	..	..	..
							Southern
South Canara.	674	No. 253, Rev., dated 18th March 1905.	Kodialmale	1	..	6,296	..
		No. 259, Rev., dated 27th March 1905.	Vorwady	1	..		..
		No. 327, Rev., dated 10th April 1905.	Tombattu extension	.. (a)	..		..
		No. 337, Rev., dated 11th April 1905.	Kunthur extension	.. (a)	..		..
		No. 353, Rev., dated 20th April 1905.	Kallapattamale	2	..		..
		No. 716, Rev,, dated 28th August 1905.	Naravi extension I ..	(a)	....		..
			Do. II ..	..	..		..
		No. 540, Rev., dated 2nd June 1905.	Yenekal	5	..		..
		No. 595, Rev., dated 27th June 1905.	Dondalarabi	2	..		..
		No. 646, Rev , dated 15th July 1905.	Tenkohola extension	.. (a)	..		..
		do.	Kilarmale extension	.. (a)	..		..
		No. 876, Rev., dated 19th Sept. 1905.	Naravi extension III	.. (a)	..		..
		No. 955, Rev., dated 2nd October 1905.	Dolpady	2	..		..
		No. 1050, Rev., dated 30th October 1905.	Aivarnadu	3	..		..
		No. 1219, Rev., dated 18th December 1905.	Mundajekap	1	..		..
		No. 1257, Rev., dated 26th December 1905.	Paikadamale	2	..		..
		No. 1248, Rev., dated 23rd December 1905.	Kaniyarmale	5	..		..
		No. 1259, Rev., dated 26th December 1905.	Subbramanya	11	..		..
		No. 81, Rev., dated 23rd January 1906.	Adur	8	..		..
		No. 193, Rev., dated 1st March 1906.	Yerimuru	5	..		..
		No. 246, Rev., dated 16th March 1906.	Balpa *	3	..		..
		No. 372, Rev., dated 25th April 1906.	Aranthakalu *	1	..		..
		No. 622, Rev., dated 4th July 1906.	Verakhamba *	3	..		..
			Total ..	55	..	..	..
North Malabar.	235	No. 1137, Rev.,dated 22nd Nov. 1905.	Kottiyur	21·43	170	..	..
		No. 406, Rev., dated 4th May 1906.	Nemminad	1·40	16	..	..
		No. 501, Rev., dated 2nd June 1906.	Kambanmalai	2·46	137	..	..
			Total ..	25·29	323	..	..

(a) Below one square mile.
* Reservation takes effect subsequent to the close of the year.

incurred on, Forest Settlements, during 1905–1906—*cont.*

Areas undergoing settlement.						Estimate of areas in which settlement operations have not yet commenced.
At commencement of the year.		Taken in hand during the year.		Expenditure incurred during the year on areas undergoing settlement.		
Name of tract.	Area.	Name of tract.	Area.	In forest accounts.	In other accounts.	
9	10	11	12	13	14	15
Circle—cont.						
	SQ. MLS.		SQ. MLS.			SQ. MLS.
Nagur extension	4·31	....	..	..	..	
Mogavanur	1·78	....	..	..	..	
....	..	....	..	..	..	
Circle.						
Hole Someshwar	3	Hole Someshwar extension I..	.. (a)	..	..	164
New Someshwar	4	Dharmastala extension I ..	.. (a)	..	..	
Kalanjimale	5	Do. II ..	1	..	..	
	..	Do. III ..	1	..	..	
Kilarmale	15	Suvarmale	2	..	..	
Mandekole	12	Dadanthamale	4	..	..	
Bakudihola extension ..	.. (a)	Kunthur extension II	1	..	..	
Bantamale	5	Dharmastala extension IV ..	2	..	..	
....	..	Shiradisisla extension II ..	.. (a)	..	..	
....	..	Ballery	1	..	..	
Sampaje	23	Bantamale extension II ..	.. (a)	..	..	
Kiribag	18	Kannadka	2	..	..	
Aletti I	5	Bantaje	4	..	..	
Pumale	9	Sampaje extension I	(a)	..	..	
Medinadka	7	....	..	..	..	
Aletti II	7	....	..	..	..	
Todikan	6	....	..	..	..	
Nalkur	12	....	..	..	..	
Jalsur	5	....	..	..	..	
Devachalla	6	....	..	..	..	
Anegundi	6	....	..	..	..	
Bantamale extension	..	....	..	..	..	
....	.. (a)	....	..	..	..	
Total ..	148	Total ..	18	..	..	164
....	..	....	..	..	..	
....	..	....	..	..	..	
Begur addition	.. (a)	....	..	..	..	
Total ..	..	Total ..	..	..	..	..

(a) Below one square mile.

Statement showing the Progress made in, and the Expenditure

Name of forest district.	Area already settled at commencement of year.	Areas finally settled during the year.					
		Number and date of Government Order according final sanction to the settlement.	Name of forest settled.	Area.	Expenditure incurred during the year on areas finally settled.		Entire cost per square mile of areas finally settled during the year.
					In forest accounts.	In other accounts.	
1	2	3	4	5	6	7	8
							Southern
South Malabar.	SQ. MLS. † 194	No. 724, Revenue, dated 27th July 1906.	Panakadan	SQ. MLS. 1·40	..	..	..
The Nilgiris.	412·52	No. 301, Revenue, dated 29th March 1906.	Kambatti	1·15	..	..	..
North Coimbatore.	1,378 * — 10	G.O., No. 789, Revenue, dated 15th August 1906.	Pachapalimalai	10·71	..	..	..
			Total ..	..	..	..	..
South Coimbatore.	† 686	....	....	..	..	..	..
Madura ..	617·53	No. 119, Revenue, dated 9th February 1906.	Ampthill Downs	48·86	..	..	..
		No. 142, Revenue, dated 15th February 1906.	Kokkuparai addition	0·02	..	..	..
			Total ..	48·88	..	..	..
Tinnevelly ..	436·74	....	....	..	..	..	..

* 8 square miles deducted on a more correct computation of the Vellumundi reserve and 2 square miles disafforested during the year.

† 24 square miles of reserved forests were transferred to South Coimbatore during the year.

incurred on, Forest Settlements, during 1905-1906—*cont.*

Areas undergoing settlement.						Estimate of areas in which settlement operations have not yet commenced.
At commencement of the year.		Taken in hand during the year.		Expenditure incurred during the year on areas undergoing settlement.		
Name of tract.	Area.	Name of tract.	Area.	In forest accounts.	In other accounts.	
9	10	11	12	13	14	15
Circle—cont.						
	SQ. MLS.				RS.	SQ. MLS.
The Silent Valley	45	....	..	..	3,148	
....	..	....	..	..	..	
Madeswaranmalai and its addition.	246	....	..	..	1,312	10
Ennamangalam	16	....	..	..	..	
Total ..	262	Total ..	..	..	..	
....	..	....	..	..	..	
....	..	....	..	..	..	
....	..	....	..	..	..	
Total ..	..	Total ..	..	..	..	
Naranapuram	0·686	..	..	..	..	

Form No. 46.

Forest Department, Madras Presidency.

Record of Demarcation and Maintenance of Boundaries.

District.	Length of boundaries artificially demarcated during the year.	Length of previously existing boundaries repaired.	Length of previously existing boundaries not repaired.	Total length of artificially marked boundaries at the close of the year.	Length of boundaries still to be demarcated at the close of the year.	Length of natural boundaries not requiring artificial marks.	Total length of boundaries at the close of the year.	Expenditure on demarcation during the year.	
								On new work.	On repairs.
1	2	3	4	5	6	7	8	9	10
Northern Circle.	MILES.	MILES.	MILES.	MILES.	MILES.	MILES.	MILES.	RS.	RS.
Ganjám	...	118 (f) 547	498	1,163	...	80	1,243	...	343 + (a) 1,540
Vizagapatam	...	450	...	450	...	...	450	34	...
Gódávari (c)	(b) 31	1,109	73	1,213	...	218	1,431	852	48 + (d) 446
Kistna	1	...	493	494	9	41	544	365	108 + (d) 160
Guntúr	25	42	1,322	1,389	...	...	1,389	211	1,162 + (d) 559 + (e) 1
Kurnool, East (i)	36	166	924	1,126	6	79	1,211	581	1,089 — (e) 30
Do. West	80	(f) 360	540	980	75	135	1,190	792	26 + (e) 1
Bellary	36	81	1,597	1,714	12	...	1,726	533	739 — (e) 15
Anantapur	...	31	1,288	1,319	6	...	1,325	1,482	329
Total, Northern Circle ...	209	1,997 (f) 907	6,735	9,848	108	553	10,509	4,850	6,506
Central Circle.									
Cuddapah	72	3	3,505	3,580	3	...	3,583	647	16 — (e) 1
Nellore	37	(f) 2,039	...	2,076	17	84	2,177	273	107
Chingleput	...	686	238	924	...	...	924	...	410 + (d) 829
North Arcot	1	4 (f) 2,372	58	2,435	...	44	2,479	10	55 + (e) 482
South Arcot	28	4 (f) 621	1,627	2,280	82	...	2,362	528	170
North Salem	29	976	353	1,358	62	65	1,485	230	223
South Salem	...	1,069	153	1,222	11	5	1,238	21	1,179
Trichinopoly (j)	65	622	177	864	41	41	946	1,492	24
Tanjore	...	...	79	79	...	...	79	...	...
Total, Central Circle ...	232	3,364 (f) 5,032	6,190	14,818	216	239	15,273	3,201	3,494
Southern Circle.									
South Canara	122	1	3,070	3,193	469	110	3,772	1,119	3
North Malabar	24	368	653	1,045	74	26	1,145	768	2,567 + (e) 25
South Malabar (g)	1	11	124	136	27	112	275	13	157
The Nilgiris	20	69	1,495	1,584	6	255	1,845	337	807
North Coimbatore	...	...	1,092	1,092	2	222	1,316	...	878
South Coimbatore (k)	...	17	533	550	...	77	627	...	239
Madura	...	154 (f) 402	998	1,554	38	140	1,732	...	6,918
Tinnevelly	...	...	557	557	25	17	599	563	41 — (h) 5 + (e) 1
Total, Southern Circle ...	167	620 (f) 402	8,522	9,711	641	959	11,311	2,800	11,631
Grand Total ...	608	5,981 (j) 6,341	21,447	34,377	965	1,751	37,093	10,851	21,631

N.B.—Boundaries include, besides the outer perimeter, the limits of enclosures of private or other lands within the forests, but not the limits of sub-divisions, such as blocks, compartments, coupes. The lengths of boundaries of forests finally notified should alone be shown in this return.

(*a*) Amount spent on demarcation of interior boundaries.

(*b*) The variation between the total of figures in columns 3 and 4 and that entered in column 5 of the statement for 1904-1905 is reported to be due to the adoption of revised figures.

(*c*) The variation between the total of the figures in columns 3 and 4 and the figure in column 5 of the previous year's return is reported to be due to the adoption of revised figures.

(*d*) Establishment charges.

(*e*) Added or deducted as per Accountant-General's audited figures.

(*f*) Cleared by Forest subordinates free of cost.

(*g*) The difference between the total of the figures in columns 3 and 4 and the figure in column 5 of the previous year's return is reported to be due to the transfer of Chenat Nair and 3 other small reserves to South Coimbatore division.

(*h*) Cash recovery for service payments.

(*i*) The variation between the total of the figures in columns 3 and 4 and the figure in column 5 of the previous year's return is reported to be due to the fact that a length of 23 miles, which was demarcated during the previous year, had to be redone during 1905-1906 owing to certain defects.

(*j*) The variation between the total of the figures in columns 3 and 4 and the figure in column 5 of the previous year's return is reported to be due to the adoption of correct figures arrived at by actual measurement of the perimeter of reserves.

(*k*) The variation between the total of figures in columns 3 and 4 and the figure in column 5 of the return for 1904-1905 is due to the transfer to the district of four reserves from South Malabar division.

Form No. 47.

Forest Department, Madras Presidency.

Statement of Forest Areas surveyed and under survey during the year 1905–1906.

District.	Areas surveyed and under survey during the year 1905–1906.															
	Special Surveys—Maps on 4-inch scale or over by Survey of India Department or Madras Survey.								Ordinary, included in district surveys.							
	With interior details.					Boundary surveys.			With interior details.					Boundary surveys.		
	With details of growing stock.		Without details of growing stock.						With details of growing stock.		Without details of growing stock.					
	Previous.	Of year.	Previous.	Of year.	Total cost.	Previous.	Of year.	Total cost.	Previous.	Of year.	Previous.	Of year.	Total cost.	Previous.	Of year.	Total cost.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
Northern Circle.	S. MLS.		S. MLS.	S. MLS.	RS.	MLS.	S. MLS.	RS.			S. MLS.			MLS.	MLS.	
Ganjám	..	..	124	288	40,770	390	..	1,334	390	..	..	..	..	..	..	..
Vizagapatam	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Gódavari	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Kistna	..	..	90	27	129	..	..	..	..	..	..	..	..	..	..	..
Guntúr	..	..	..	..	..	..	..	..	..	..	..	..	..	118	..	..
Kurnool, East	..	..	2,617	..	11,717	1,015	..	..	..	..	..	..	..	..	..	..
„ West																
Bellary	..	..	..	..	..	..	..	..	..	..	624	..	..	..	..	..
Anantapur	..	..	168	..	..	..	..	..	..	..	188	..	..	..	..	..
Total, Northern Circle	..	..	2,999	315	52,616	1,405	..	1,334	390	..	812	..	..	118	..	..
Central Circle.																
Cuddapah	..	..	2,213	..	..	..	..	..	..	..	..	..	..	..	..	..
Nellore	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Chingleput	..	..	..	52	..	..	..	1,936	..	..	..	..	..	..	..	..
North Arcot	..	..	1,193	..	..	..	..	..	..	..	..	..	..	..	..	..
South „	..	..	217	..	8,829	82	..	..	..	..	441	..	..	..	..	..
North Salem	..	..	833	..	..	..	..	..	..	..	21	..	..	..	..	..
South „	..	..	702	..	..	..	..	..	..	..	..	..	..	26	..	..
Trichinopoly	..	..	66	..	25,000	3	..	..	..	..	..	..	..	310 S.M.	3	..
Tanjore	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total, Central Circle	..	..	5,224	52	33,829	85	..	1,936	..	..	462	..	..	26 310 S.M.	3	..
Southern Circle.																
South Canara	..	..	1,180	47	14,750	592	..	28,389	..	..	..	..	..	..	..	..
North Malabar	..	..	..	148	..	..	25	28,389	..	..	..	..	..	..	..	..
South „	1	..	10	..	..	..	..	..	..	..	..	..	..	..	..	..
The Nilgiris	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
North Coimbatore	..	..	1,893	..	4,839	311	..	283	..	..	..	..	..	..	..	..
South „	..	..	686	..	..	..	..	..	..	..	6	..	..	..	..	..
Madura	..	..	617	49	..	..	..	..	..	..	..	..	..	..	..	..
Tinnevelly	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total, Southern Circle	1	..	4,386	244	19,589	903	25	57,061	..	..	6	..	..	..	..	..
Grand Total, Presidency.	1	..	12,609	611	106,034	2,393	25	60,331	390	..	1,280	..	..	144 310 S.M.	3	..

Statement of Forest Areas surveyed and under survey during the year 1905-1906—*cont.*

District.	Areas surveyed and under survey during the year 1905-1906—*cont.*								Areas remaining to be taken under survey.	Total forest area at end of year, as per Form No. 44.	Cost.		
	Chain and compass or other surveys by local officers.												
	With interior details.					Boundary surveys.							
	4-inch or over.		Under 4-inch.										
	Previous.	Of year.	Previous.	Of year.	Total cost.	Previous.	Of year.	Total cost.			Previous.	Of year.	Entire cost of all surveys up to the end of the year.
	18	19	20	21	22	23	24	25	26	27	28	29	30
Northern Circle.	S. MLS.	S. MLS	S. MLS	S. MLS.	RS.	L. MLS.	L. MLS.	RS.	S. MLS.	S. MLS.	RS.	RS.	RS.
Ganjám	53	..	..	..	..	1,308	87	435	..	538	34,417	435	34,852
Vizagapatam	29	..	..	..	..		..	..	..	298	2,150	..	2,150
Gódávari	1	..	26	..	6	540	..	796	301	868	63,939	1,439	65,378
Kistna	15	..	..	..	24	78	77	61	..	280	9,846	611	10,457
Guntúr	85	104	..	..	778	22	21	17	..	814	11,930	1,025	12,955
Kurnool, East	8	43	..	..	530	53	53	90	373	1,479	1,45,956	191	1,47,256
„ West										1,064		1,109	
Bellary	..	..	..	..	..	..	..	..	..	624	1,691	560	2,251
Anantapur	154	..	..	..	..	..	5	..	..	510	449	345	794
Total, Northern Circle	345	147	26	..	1,338	2,001	243	1,399	674	6,475	2,70,378	5,715 *+ 39,131	2,76,093 *+ 39,131
Central Circle.													
Cuddapah	..	..	..	..	..	..	..	..	..	2,246	1,09,088	330	1,09,418
Nellore	..	..	..	..	..	..	..	..	..	739	1,913	365	2,278
Chingleput	..	..	..	..	..	..	..	..	..	214	1,160	437	1,597
North Arcot	97	..	..	..	..	..	..	..	..	1,290	17,949	366	18,315
South „	6	..	..	..	52	..	..	..	..	663	9,612	237	9,849
North Salem	..	..	..	..	..	3	..	..	3	857	19,912	1,451	21,363
South „	..	10	..	..	504	9	5	1,145	21	728	18,784	1,145	19,929
Trichinopoly	1	..	..	..	..	129	3	360	181	313	26,080	356	26,436
Tanjore	20	..	..	..	..	..	..	..	..	20	..	6	6
Total, Central Circle	124	10	..	..	556	141	8	1,505	205	7,070	2,04,498	(a) 4,989 *+1,903	(a) 2,09,487 *+ 1,903
Southern Circle.													
South Canara	..	..	..	..	..	891	12	..	..	722	55,453	947	56,400
North Malabar	..	..	..	..	..	..	..	..	..	256	12,179	..	12,179
South „	..	..	..	..	..	183	..	..	183	194	1,880	370	2,250
The Nilgiris	..	..	..	..	..	..	..	..	..	414	1,119	360	1,479
North Coimbatore	..	..	..	..	..	..	..	..	..	1,368	93,386	360	93,746
South „	..	..	..	..	..	..	..	..	..	686	5,548	1,589	7,137
Madura	..	..	..	..	..	..	52	..	..	666	791	411	1,202
Tinnevelly	..	..	..	..	..	..	..	..	..	437	1,203	360	1,563
Total, Southern Circle	..	..	..	..	..	1,074	64	..	183	4,743	1,71,559	(b) 4,617 *+ 30,538	1,76,176 *+30,538
Grand Total, Presidency.	469	157	26	..	1,894	3,216	315	2,904	1,062	18,288	6,46,435	(b) 15,321 *+71,572	6,61,756 *+ 71,572

(a) Includes Rs. 296 being charges incurred under Central Circle Direction A-VIII (c) (1).
(b) Includes Rs. 220 being charges incurred under Southern Circle Direction A-VIII (c) (1).
* Survey of India charges.

Annual Form No. 48.

Forest Department, Madras Presidency.

Progress made in working-plans during 1905–1906.

District.	Areas for which working-plans have been completed and approved by the Board.		Areas for which working-plans are being compiled or have been compiled but not sanctioned.		Areas for which working-plans have still to be taken in hand.	Total forest area, as in Form No. 44.	Entire cost per square mile of working-plans completed.	Remarks.
	At commencement of year.	During year.	At commencement of year.	Taken in hand during year.				
1	2	3	4	5	6	7	8	9
Northern Circle.	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.	RS.	
Ganjám	451	..	..	..	147	598	8	
Vizagapatam	144	..	119	..	82	345	..	
Gódávari	378	..	259	..	306	943	288	
Kistna	58	..	33	..	189	280	..	
Guntúr	8	..	2	..	804	814	..	
Kurnool, East	158	..	.	..	1,321	1,479	..	
Kurnool, West	77	..	598	54	423	1,152	12	
Bellary	102	..	191	..	394	687	..	
Anantapur	* 434	..		..	95	529	20	
Total, Northern Circle ..	1,810	..	1,202	54	3,761	6,827	328	
Central Circle.								
Cuddapah	..	..	3	..	2,360	2,353	43	
Nellore	218	..	† 346	..	175	739	95	
Chingleput	..	..	214	..	..	214	6	
North Arcot	948	..	339	..	4	1,291	..	
South Arcot	321	..	† 120	..	222	663	76.	
North Salem	252	..	293	378	.	923	30	
South Salem	437	110	..	..	185	732	504	
Trichinopoly	1	..	† 36	..	278	315	..	
Tanjore	4	..	5	..	11	20	..	
Total, Central Circle ..	2,181	110	1,356	378	3,225	7,250	754	
Southern Circle.								
South Canara	662	..	..	..	397	1,059	..	
North Malabar	178	..	..	..	82	260	..	
South Malabar	30	..	..	..	230	260	..	
The Nilgiris	16	..	..	..	483	499	..	
North Coimbatore ..	423	..	..	24	1,194	1,641	..	
South Coimbatore ..	234	..	..	298	154	686	..	
Madura	† 356	..	..	310	..	666	..	
Tinnevelly	240	..	..	..	197	437	..	
Total, Southern Circle ..	2,139	..	..	632	2,737	5,508	(a) 436	
Grand Total, Presidency ..	6,130	110	2,558	1,064	9,723	19,585	1,518	

* The difference of 1 mile between the total of columns 3 and 4 of the previous year's return and column 2 of this represents the area of small parts of blocks already included in the sanctioned working plans.

† Revised figure reported by Collector.

(a) Includes expenditure incurred under A-VIII-D, Direction, Southern Circle.

Note.—The figures in column 8 represent the total expenditure incurred under the head A-VIII-D in the several districts during the year under report.

ANNUAL

Forest Department,

Communications

District.	New works undertaken during the year.					
	Buildings.		Roads and paths.			Total expenditure on new work.
	Description of building.	Expenditure incurred.	Road or path and object of the same.	Length of road or path.	Expenditure incurred.	
1	2	3	4	5	6	7
						Northern
Direction ..	....	RS. ..	....	MLS. ..	RS. ..	RS. ..
Ganjám ..	(*b*) Rest-houses	1,432	(*a*) Cart-roads	12	100	..
	(*c*) Houses for subordinate establishments	113				
	Total, Ganjám ..	1,545	Total ..	12	100	1,645
Vizagapatam.	....	..	(*a*) Cart-roads	..	183	183
	Total, Vizagapatam ..	..	Total ..	..	183	183
Gódávari ..	(*a*) Head-quarter houses ..	1,305	(*a*) Cart-roads	..	3,912	7,118
	(*b*) Rest-houses	960				
	(*c*) Houses for subordinate establishments	941				
	Total, Gódávari ..	3,206	Total ..	..	3,912	7,118
Kistna ..	(*c*) Houses for subordinate establishments	236	(*a*) Cart-roads	2	153	..
	Total, Kistna ..	236	Total ..	2	153	389
Guntúr ..	(*a*) Head-quarter houses ..	481	(*a*) Cart-roads	3	188	4,546
	(*b*) Rest-houses	3,877				
	Total, Guntúr ..	4,358	Total ..	3	188	4,546
Kurnool East.	(*a*) Head-quarter houses ..	703	(*a*) Cart-roads	9	302	7,415
	(*c*) Houses for subordinate establishments	92				
	(*d*) Others	6,318				
	Total, Kurnool, East ..	7,113	Total ..	9	302	7,415

FORM No. 49.

Madras Presidency.

and Buildings.

Repairs executed during the year.					
Buildings.		Roads and paths.			Total expended on repairs.
Nature of repairs.	Expenditure incurred.	Nature of repairs.	Length repaired.	Expenditure incurred.	
8	9	10	11	12	13
Circle.					
....	RS. 100	....	MLS. ..	RS. ..	RS. 100
(*a*) Head-quarter houses .. .. (*b*) Rest-houses .. .. (*c*) Houses for subordinate establishments	60 1,073 29	(*a*) Cart-roads .. .. Add A-VII (*c*) ..	2 ..	26 ..	1,188 493
Total ..	1,162	Total ..	2	26	1,681
(*a*) Head-quarter houses .. .. (*b*) Rest-houses .. .. (*c*) Houses for subordinate establishments	252 266 418	(*a*) Cart-roads .. .. Add A-VII (*c*) ..	.. ..	.. ..	936 130
Total ..	936	Total ..	..	..	1,066
(*a*) Head-quarter houses .. .. (*b*) Rest-houses .. .. (*c*) Houses for subordinate establishments	136 2,133 93	(*a*) Cart-roads	..	642	4,956
	2,362	Add A-VII (*c*) ..	..	..	799
Deduct cash recovery	89				
	2,273				
Add pay of temporary establishment ..	2,041				
Total ..	4,314	Total ..	..	642	5,755
(*a*) Head-quarter houses .. .. .. (*c*) Houses for subordinate establishments	398 203	(*a*) Cart-roads .. .. (*b*) Bridle-path	8 1	50 5	.. ..
	601	Add A-VII (*c*) ..	9 ..	55 ..	770 489
Add pay of temporary establishment ..	114				
Total ..	715	Total ..	9	55	1,259
(*a*) Head quarter houses .. .. (*b*) Rest-houses	108 80	(*a*) Cart-roads	24	293	872
	188	Add A-VII (*c*) ..	..	..	266
Add temporary establishment	391				
Total ..	579	Total ..	24	293	1,138
(*b*) Rest-houses .. .. (*c*) Houses for subordinate establishments	136 26	(*a*) Cart-roads	63	905	1,457
	162	Add A-VII (*c*) ..	..	..	254
Add establishment charges	390				
Total ..	552	Total ..	63	905	1,711

Communications

District.	New work undertaken during the year.					
	Buildings.		Roads and paths.			Total expenditure on new work.
	Description of building.	Expenditure incurred.	Road or path and object of the same.	Length of road or path.	Expenditure incurred.	
1	2	3	4	5	6	7
						Northern
		Rs.		Mls.	Rs.	Rs.
Kurnool, West	(a) Head-quarter houses ..	1,230	(a) Cart-roads	..	599	12,01
	(b) Rest-houses	36				
	(c) Houses for subordinate establishments	1,248				
	(d) Others	8,903				
	Total, Kurnool, West ..	11,417	Total ..	..	599	12,016
Bellary ..	(a) Head-quarter houses ..	45		..	..	222
	(c) Houses for subordinate establishments	177				
	Total, Bellary	222	Total ..	..	..	222
Anantapur ..	(b) Rest-houses	762		..	..	1,222
	(d) Others	460				
	Total, Anantapur ..	1,222	Total ..	..	..	1,222
Total, Northern Circle.	(a) Head-quarter houses ..	3,764	(a) Cart-roads	26	5,437	34,756
	(b) Rest-houses	7,067				
	(c) Houses for subordinate establishments	2,807				
	(d) Others	15,681				
	Grand Total, Northern Circle..	29,319	Grand Total ..	26	5,437	34,756
						Central
Direction ..	Total ..	..	Total ..	..	..	..
Cuddapah ..	(a) Head-quarter houses ..	49				
	(b) Rest-houses	636				
	Total, Cuddapah ..	685	Total ..	..	..	685
Nellore ..	(a) Head-quarter houses ..	800		..	..	1,774
	(b) Rest-houses	974		..	..	..
	Total, Nellore ..	1,774	Total ..	..	..	1,774
Chingleput ..	(c) Houses for subordinate establishments	245		..	..	245
	Total, Chingleput ..	245	Total ..	..	..	245
North Arcot ..	(b) Rest-houses		(a) Cart-roads	8	406	2,251
	(c) Houses for subordinate establishments	304 1,541				
	Total, North Arcot ..	1,845	Total ..	8	406	2,251

and Buildings—*cont.*

Repairs executed during the year.					
Buildings.		Roads and paths.			Total expended on repairs.
Nature of repairs.	Expenditure incurred.	Nature of repairs.	Length repaired.	Expenditure incurred.	
8	9	10	11	12	13
Circle—cont.					
	Rs.		Mls.	Rs.	Rs.
(*b*) Rest-houses	72	(*a*) Cart-roads	..	259	684
Add cost of temporary establishment ..	353	Add A-VII (*c*) ..	..	..	24
Total ..	425	Total ..	..	259	708
(*c*) Houses for subordinate establishments	145	(*a*) Cart-roads	9	40	232
Add pay of watchers	47	Add A-VII (*c*) ..	..	..	560
Total ..	192	Total ..	9	40	792
(*a*) Head-quarter houses	240	(*a*) Cart-roads	9	839	5,108
(*b*) Rest-houses	3,040				..
	3,280				
Add pay of temporary establishment, etc.	1,027	Add A-VII (*c*) ..	..	..	76
	4,307				
Deduct as per Accountant-General's audited figures	38				
Total ..	4,269	Total ..	9	839	5,184
(*a*) Head-quarter houses	1,294	(*a*) Cart-roads	115	3,054	..
(*b*) Rest-houses	6,800	(*b*) Bridle-paths	1	5	..
(*c*) Houses for subordinate establishments	914		116	3,059	16,303
	9,008				..
		Add A-VII (*c*) ..	..	..	3,091
Add cost of temporary establishment ..	4,236				
Grand Total ..	13,244	Grand Total ..	116	3,059	19,394
Circle.					
(*a*) Head-quarter houses	12	Total ..	..	..	12
(*b*) Rest-houses	1,828	(*a*) Cart-roads	11	2,073	4,233
(*c*) Houses for subordinate establishments	68	Add A-VII (*c*) ..	..	..	193
	1,896				
Add pay of watchers	264				
Total ..	2,160	Total ..	11	2,073	4,426
(*a*) Head-quarter houses	35		..	..	523
Add pay of watchers	488	Add A-VII (*c*) ..	..	..	460
Total ..	523	Total ..	..	..	983
(*a*) Head-quarter houses	492	(*a*) Cart-roads	15	548	1,853
(*b*) Rest-houses	594	Add A-VII (*c*) ..	..	..	19
(*c*) Houses for subordinate establishments	118				
	1,204				
Add pay of watchers	101				
Total ..	1,305	Total ..	15	548	1,872
(*a*) Head-quarter houses	193	(*a*) Cart-roads	36	1,071	{ 4,296
(*b*) Rest-houses	1,322	(*b*) Bridle-paths	95	565	
	1,515		131	1,636	4,296
Add pay of watchers	1,145	Add A-VII (*c*) ..	..	..	139
Total ..	2,660	Total ..	131	1,636	4,435

District.	New works undertaken during the year 1905-1906.					
	Buildings.		Roads and paths.			Total expenditure on new work.
	Description of building.	Expenditure incurred.	Road or path and object of the same.	Length of road or path.	Expenditure incurred.	
1	2	3	4	5	6	7
						Central
		Rs.		Mls.	Rs.	Rs.
South Arcot ..	(*b*) Rest-houses	245	....	..	..	..
	(*c*) Houses for subordinate establishments	423				
	(*d*) Others	88				
	Total, South Arcot ..	756	Total ..	..	..	756
North Salem..	(*a*) Head-quarter houses ..	338	(*a*) Cart-roads	..	1,227	4,006
	(*b*) Rest-houses	713				
	(*c*) Houses for subordinate establishments	95				
	(*d*) Others	1,633				
	Total, North Salem ..	2,779	Total ..	..	1,227	4,006
South Salem ..	(*a*) Head-quarter houses ..	243	(*a*) Cart-roads	..	2,276	4,662
	(*b*) Rest-houses	1,583				
	(*c*) Houses for subordinate establishments	560				
	Total, South Salem ..	2,386	Total ..	..	2,276	4,662
Trichinopoly..	(*b*) Rest-houses	805	(*a*) Cart-road	3	150	..
			(*c*) Others	..	44	..
	Total, Trichinopoly ..	805	Total ..	3	194	999
Tanjore ..	....	..	....	..	..	..
Total, Central Circle.	(*a*) Head-quarter houses ..	1,430				
	(*b*) Rest-houses	5,260	(*a*) Cart-roads	11	4,059	15,378
	(*c*) Houses for subordinate establishments	2,864	(*c*) Others..	..	44	
	(*d*) Others	1,721				
	Grand Total, Central Circle ..	11,275	Total ..	11	4,103	15,378
						Southern
South Canara.	(*b*) Rest-houses	227	(*a*) Cart-roads	15	170	1,610
	(*c*) Houses for subordinate establishments	102				
	(*d*) Others	1,111				
	Total, South Canara ..	1,440	Total ..	15	170	1,610
North Malabar.	(*b*) Rest-houses	1,590	(*a*) Cart-roads	22	2,035	..
	(*c*) Houses for subordinate establishments	1,745	(*c*) Others	..	500	..
	Total, North Malabar ..	3,335	Total ..	22	2,535	5,870
South Malabar.	(*a*) Head-quarter houses ..	429	(*b*) Bridle-paths	3	219	..
	(*b*) Rest-houses	322	(*c*) Others..	..	807	..
	Total, South Malabar ..	751	Total ..	3	1,026	1,777

and Buildings—*cont.*

Repairs executed during the year 1905–1906.					
Buildings.		Roads and paths.			Total expended on repairs.
Nature of repairs.	Expenditure incurred.	Nature of repairs.	Length repaired.	Expenditure incurred.	
8	9	10	11	12	13
Circle—cont.					
	Rs.		MLs.	Rs.	Rs.
(*a*) Head-quarter houses	296	(*b*) Bridle-paths	7	264	2,308
(*b*) Rest-houses	1,000				
(*c*) Houses for subordinate establishments	387				
	1,683				
Add pay of watchers	361	Add A-VII (*c*) ..	..	..	41
Total ..	2,044	Total ..	7	264	2,349
(*a*) Head-quarter houses	192	(*a*) Cart-roads	..	274	715
(*b*) Rest-houses	249				
		Add A-VII (*c*) ..	..	..	2,399
Total ..	441	Total ..	..	274	3,114
(*a*) Head-quarter houses	29	(*a*) Cart-roads	..	584	776
(*b*) Rest-houses	139				
	168				
Add pay of watchers	24	Add A-VII (*c*) ..	..	..	153
Total ..	192	Total ..	..	584	929
(*a*) Head-quarter houses	100	(*a*) Cart-roads	9	350	621
(*b*) Rest-houses	138				
(*d*) Others	33	Add A-VII (*c*) ..	..	..	28
Total ..	271	Total ..	9	350	649
(*a*) Head-quarter houses	17	....	..	..	17
(*a*) Head-quarter houses	1,366	(*a*) Cart-roads	71	4,900	..
(*b*) Rest-houses	5,270	(*b*) Bridle-paths	102	829	..
(*c*) Houses for subordinate establishments	573				
(*d*) Others	33		173	5,729	15,371
	7,259				
Add pay of watchers	2,383	Add A.VII|(*c*) ..	..	..	3,432
Total ..	9,642	Total ..	173	5,729	18,803
Circle.					
(*a*) Head-quarter houses	116	(*a*) Cart-roads	21	71	57
(*b*) Rest-houses	50				
(*c*) Houses for subordinate establishments	76				
(*d*) Others	67				
	309				
Add pay of watchers	192	Add A-VII (*c*) ..	..	..	65
Total ..	501	Total ..	21	71	637
(*b*) Rest-houses	635	(*a*) Cart-roads	92	1,646	..
		(*c*) Others	..	209	..
			92	1,855	2,490
		Add A-VII (*c*) ..	..	..	28
Total ..	635	Total ..	92	1,855	2,518
(*a*) Head-quarter houses	241	(*a*) Cart-roads	22	682	..
(*b*) Rest-houses	45	(*b*) Bridle-paths	91	202	..
(*c*) Houses for subordinate establishments	231		113	884	1,401
		Add A-VII (*c*) ..	..	..	294
Total ..	517	Total ..	113	884	1,695

Communications.

District.	New works undertaken during the year.					
	Buildings.		Roads and paths.			Total expenditure on new work.
	Description of building.	Expenditure incurred.	Road or path and object of the same.	Length of road or path.	Expenditure incurred.	
1	2	3	4	5	6	7
						Southern
		Rs.		MLS.	Rs.	Rs.
The Nilgiris ..	(a) Head-quarter houses ..	1,574		..	..	..
	(b) Rest-houses	912		..	..	..
	(d) Others	188		..	..	..
	Total, The Nilgiris ..	2,674	Total ..	..	..	2,674
North Coimbatore.	(a) Head-quarter houses ..	205	(a) Cart-roads	23	1,539	2,599
	(b) Rest-houses	855				
	Total, North Coimbatore ..	1,060	Total ..	23	1,539	2,599
South Coimbatore.	(a) Head-quarter houses ..	690	(c) Others (Extension of tram line)	1	377	2,404
	(b) Rest-houses	191				
	(c) Houses for subordinate establishments	170				
	(d) Others	976				
	Total, South Coimbatore ..	2,027	Total ..	1	377	2,404
Madura ..	(b) Rest-houses	2,647	(a) Cart-roads	..	1,741	5,759
	(c) Houses for subordinate establishments	1,100				
	(d) Others	271				
	Total, Madura ..	4,018	Total ..	..	1,741	5,759
Tinnevelly ..	(b) Rest-houses	2,026	(a) Cart-roads	8	1,487	..
	(c) Houses for subordinate establishments	357	(c) Others	..	184	..
	(d) Others	14				
	Total, Tinnevelly ..	2,397	Total ..	8	1,671	4,068
Total, Southern Circle.	(a) Head-quarter houses ..	2,898	(a) Cart-roads	68	6,972	26,761
	(b) Rest-houses	8,770	(b) Bridle-paths	3	219	
	(c) Houses for subordinate establishments	3,474	(c) Others	..	1,868	
	(d) Others	2,560				
	Total, Southern Circle ..	17,702	Grand Total ..	71	9,059	26,761
Total, Presidency.	(a) Head-quarter houses ..	8,092	(a) Cart-roads	105	16,468	76,895
	(b) Rest-houses		(b) Bridle-paths	3	219	
	(c) Houses for subordinate establishments	21,097 9,145	(c) Others	..	1,912	
	(d) Others	19,962				
	Grand Total, Presidency ..	58,296	Total ..	108	18,599	76,895

and Buildings—*cont.*

Repairs executed during the year 1905–1906.					
Buildings.		Roads and paths.			Total expended on repairs.
Nature of repairs.	Expenditure incurred.	Nature of repairs.	Length repaired.	Expenditure incurred.	
8	9	10	11	12	13
Circle—cont.					
	Rs.		Mls.	Rs.	Rs.
(*b*) Rest-houses	1,235	(*a*) Cart-roads	99	2,782	4,017
		Add A-VII (*c*) ..	..	..	133
Total ..	1,235	Total ..	99	2,782	4,150
(*a*) Head-quarter houses	113	(*a*) Cart-roads	16	840	..
(*b*) Rest-houses	860	Pay of road coolies	..	4,480	..
(*d*) Others	160			—* 35	
	1,133		16	5,285	6,898
Add pay of watchers ..	480	Add A-VII (*c*) ..	..	..	405
Total ..	1,613	Total ..	16	5,285	7,303
(*b*) Rest-houses	596	(*a*) Cart-roads	20	2,520	..
(*c*) Houses for subordinate establishments	638	(*b*) Bridle-paths	..	24	..
(*d*) Others	13		20	2,544	3,791
		Add A-VII (*c*) ..	..	..	761
Total ..	1,247	Total ..	20	2,543	4,552
(*a*) Head-quarter houses	25	(*a*) Cart roads	..	3,625	4,495
(*b*) Rest-houses	353				
(*c*) Houses for subordinate establishments	142	Add A-VII (*c*) ..	..	..	102
(*d*) Others	36				
	556				
Add pay of watchers	364-50*				
Total ..	870	Total ..	..	3,625	4,597-50*
(*b*) Rest-houses	660	(*a*) Cart-roads	80	3,035	..
(*c*) Houses for subordinate establishments	78	(*b*) Bridle-paths	24	400	..
(*d*) Others	13	(*c*) Others	..	79	..
			104	3,514	4,225
				† —40	
		Add A-VII (*c*) ..	..	..	96
Total ..	751	Total ..	104	3,474	4,321
(*a*) Head-quarter houses	495	(*a*) Cart-roads	350	15,111	..
(*b*) Rest-houses	4,434	(*b*) Bridle-paths	115	626	..
(*c*) Houses for subordinate establishments	1,165	(*c*) Others	..	288	..
(*d*) Others	289			†(*a*)4,445	
	6,383		465	20,470	27,839
Add pay of watchers	986	Add A VII (*c*) ..	..	..	1,884
Total ..	7,369	Total ..	465	20,470	29,723
(*a*) Head-quarter houses	3,155	(*a*) Cart-roads	536	23,065	59,496
(*b*) Rest-houses	16,504	(*b*) Bridle-paths	218	1,460	
(*c*) Houses for subordinate establishments	2,652	(*c*) Others	..	4,733	
(*d*) Others	322		754	29,258	59,496
	22,633				
Add pay of watchers ..	7,605	Add A-VII (*c*) ..	..	..	8,407
Total ..	30,238	Total ..	754	29,258	67,903

* Deducted as per Accountant-General's audited figures.
† Cash recovery.
(*a*) Wages for road coolies.

ANNUAL

Forest Department,

REGISTER of Breaches of

District.		Cases pending from 1904–1905.	New cases of the year.					Total cases.
			Injury to forests by fire.	Unauthorized felling or appropriation of wood and minor forest produce.	Grazing without permission or in tracts in which grazing is prohibited.	Other offences.	Total new cases of the year.	
1		2	3	4	5	6	7	8
								Northern
Ganjám	A	* 41	14	200	28	† 1	243	284
	B	* 16	1	104	10	† 1	116	132
	C	..	..	26	..	..	26	..
	Total ..	57	15	330	38	2	385	416
Vizagápatam ..	A	* 8	..	28	2	..	30	38
	B	* 23	..	207	35	..	242	265
	C	..	..	..	..	..	..	..
	Total ..	31	..	235	37	..	272	303
Gódávari ..	A	52	..	78	26	17	121	173
	B	5	..	61	..	21	82	87
	C	..	89	..	..	..	89	..
	Total ..	57	89	139	26	38	292	260
Kistna	A	56	1	34	24	2	61	117
	B	80	1	165	271	46	483	563
	C	..	..	..	..	..	..	..
	Total ..	136	2	199	295	48	544	680
Guntúr	A	* 30	1	52	69	6	128	158
	B	* 52	1	245	223	19	488	540
	C	..	1	3	..	..	4	..
	Total ..	82	3	300	292	25	620	698
Kurnool, East ..	A	68	2	122	68	7	199	267
	B	10	..	209	129	6	344	354
	C	..	..	19	8	1	28	..
	Total ..	78	2	350	205	14	571	621
Kurnool, West ..	A	63	7	175	39	64	285	348
	B	35	..	90	173	79	342	377
	C	..	1	64	12	37	114	..
	Total ..	98	8	329	224	180	741	725
Bellary	A	35	..	55	31	9	95	130
	B	173	..	397	250	21	668	841
	C	..	24	..	..	..	24	..
	Total ..	208	24	452	281	30	787	971

A. Cases taken into Court. B. Cases compounded. C. Cases undetected.

* Variations between the closing balance of 1904–1905 and these figures are due to transfers between heads A and B.

† Cases of trespass with intent to steal.

Form No. 50.

Madras Presidency.

Forest Rules during 1905–1906.

Disposed of during the year.						Cases pending at close of year.
Convictions.		Acquittals.		Total.		
Cases.	Persons.	Cases.	Persons.	Cases.	Persons.	
9	10	11	12	13	14	15
Circle.						
112	335	20	107	132	442	80
107	280	..	..	‡ 72 107	237 280	25
..	..	..	..	..	..	..
219	615	20	107	239 ‡ 72	722 237	105
19	55	3	25	22	80	16
194	490	..	..	194 ‡ 25	490 59	46
..	..	..	..	..	..	..
213	545	3	25	216 ‡ 25	570 59	62
143	375	19	44	162 ‡ 2	419 2	9
40	150	..	..	40 ‡ 42	150 117	5
..	..	..	..	..	..	..
183	525	19	44	202 ‡ 44	569 119	14
80	245	23	116	103	361	14
474	1,196	..	..	474 ‡ 21	1,196 42	68
..	..	..	..	..	..	..
554	1,441	23	116	577 ‡ 21	1,557 42	82
84	244	35	93	119	337	39
406	1,988	..	..	406 ‡ 87	1,988 295	47
..	..	..	..	..	..	..
490	2,232	35	93	525 ‡ 87	2,325 295	86
173	609	29	79	202 ‡ 5	688 21	60
301	692	..	..	301 ‡ 35	692 98	18
..	..	..	..	..	..	..
474	1,301	29	79	503 ‡ 40	1,380 119	78
280	915	22	50	302	965	46
344	1,018	..	..	344	1,018	33
..	..	..	..	..	..	..
624	1,933	22	50	646	1,983	79
48	206	10	32	58 ‡ 1	238 3	71
449	1,565	..	..	449 ‡ 146	1,565 749	246
..	..	..	..	..	..	..
497	1,771	10	32	507 ‡ 147	1,803 752	317

‡ Withdrawn under the orders of the District Forest-officer.

§ Seven cases were transferred to the new Kistna district from the Delta range; hence the difference in the opening balance.

Register of Breaches of Forest

District.		Cases pending from 1904–1905.	New cases of the year.					Total cases.
			Injury to forests by fire.	Unauthorized felling or appropriation of wood and minor forest produce.	Grazing without permission or in tracts in which grazing is prohibited.	Other offences.	Total new cases of the year.	
1		2	3	4	5	6	7	8
								Northern
Anantapur ..	A	59	..	441	216	42	699	758
	B	6	..	127	128	10	265	271
	C	..	31	1	3	1	36	..
	Total ..	65	31	569	347	53	1,000	1,029
Total, Northern Circle.	A	412	25	1,185	503	148	1,861	2,273
	B	400	3	1,605	1,219	203	3,030	3,430
	C	..	146	113	23	39	321	..
Grand Total, Northern Circle ..		812	174	2,903	1,745	390	5,212	5,703
								Central
Cuddapah ..	A	* 72	1	168	64	6	239	311
	B	* 107	..	225	208	15	448	555
	C	..	25	..	..	..	25	..
	Total ..	179	26	393	272	21	712	866
Nellore	A	* 103	3	221	214	7	445	548
	B	* 9	..	302	383	14	699	708
	C	..	6	23	178	7	214	..
	Total ..	112	9	546	775	28	1,358	1,256
Chingleput ..	A	14	..	86	37	10	133	147
	B	103	..	432	323	9	764	867
	C	..	..	..	..	..	..	..
	Total ..	117	..	518	360	19	897	1,014
North Arcot ..	A	* 304	1	490	326	14	831	1,135
	B	* 180	..	1,046	915	46	2,007	2,187
	C	..	180	14	11	1	206	..
	Total ..	484	181	1,550	1,252	61	3,044	3,322
South Arcot ..	A	‡ 273	1	531	150	23	705	978
	B	‡ 473	..	1,120	614	49	1,783	2,256
	C	..	21	272	10	3	306	..
	Total ..	746	22	1,923	774	75	2,794	3,234
North Salem .	A	* 22	1	60	34	7	102	124
	B	* 96	..	474	328	14	816	912
	C	..	..	11	5	..	16	..
	Total ..	118	1	545	367	21	934	1,036

A. Cases taken into Court. B. Cases compounded. C. Cases undetected.

* Variations between the closing balance of 1904–1905 and these figures are due to transfers between heads A and B.

Rules during 1905–1906—*cont.*

Disposed of during the year.						Cases pending at close of year.
Convictions.		Acquittals.		Total.		
Cases.	Persons.	Cases.	Persons.	Cases.	Persons.	
9	10	11	12	13	14	15
Circle—cont.						
317	872	37	179	354	1,051	174
				§ 230	584	
271	650	..	..	271	650	..
..	..	..	..	..	..	..
588	1,522	37	179	625	1,701	174
				§ 230	584	
1,256	3,856	198	725	1,454	4,581	509
				§ 310	847	
2,586	8,029	..	..	2,586	8,029	488
				§ 356	1,360	
..	..	..	..	..	..	..
3,842	11,885	198	725	4,040	12,610	997
				§ 666	2,207	
Circle.						
221	463	25	166	246	629	65
424	1,211	..	..	424	1,211	74
				§ 57	236	
..	..	..	..	..	..	..
645	1,674	25	166	670	1,840	139
				§ 57	236	
456	1,410	43	169	499	1,579	43
				§ 6	7	
628	1,416	..	..	628	1,416	59
				§ 21	40	
..	..	..	..	..	..	..
1,084	2,826	43	169	1,127	2,995	102
				§ 27	47	
93	195	18	79	111	274	21
				§ 15	24	
707	1,274	..	..	707	1,274	160
..	..	..	..	..	..	..
800	1,469	81	79	818	1,548	181
				§ 15	24	
941	2,708	32	87	973	2,795	135
				§ 27	63	
1,802	3,533	..	..	1,802	3,533	260
				§ 125	292	
..	..	..	..	..	..	..
2,743	6,241	32	87	2,775	6,328	395
				§ 152	355	
776	1,618	80	279	856	1,897	99
				§ 23	50	
1,621	2,909	..	..	1,621	2,909	332
				§ 303	621	
..	..	..	..	..	..	..
2,397	4,527	80	279	2,477	4,806	431
				§ 326	671	
81	199	6	16	87	215	37
732	1,498	..	..	732	1,498	120
				§ 60	93	
..	..	..	..	..	..	..
813	1,697	6	16	819	1,713	157
				§ 60	93	

‡ The variations are due to transfers from B to A and to 300 out of 368 undetected cases at the close of the year 1904–1905 having been brought to head B, the offenders having since been traced. Sixty undetected cases were pending enquiry at the close of the year 1905–1906 and 314 cases were struck off the register during the year.

§ Withdrawn under the orders of the District Forest-officer.

Register of Breaches of Forest

District.		Cases pending from 1904–1905.	New cases of the year.					Total cases.
			Injury to forests by fire.	Unauthorized felling or appropriation of wood and minor forest produce.	Grazing without permission or in tracts in which grazing is prohibited.	Other offences.	Total new cases of the year.	
1		2	3	4	5	6	7	8
								Central
South Salem ..	A	* 229	..	586	151	37	774	1,003
	B	* 81	..	571	268	24	863	944
	C	..	38	8	..	..	46	..
	Total ..	310	38	1,165	419	61	1,683	1,947
Trichinopoly ..	A	* 19	2	75	42	4	123	142
	B	* 139	2	691	354	13	1,060	1,199
	C	..	..	..	..	..	..	..
	Total ..	158	4	766	396	17	1,183	1,341
Tanjore	A	7	..	19	4	10	33	40
	B	86	..	671	65	6	742	828
	C	..	..	2	..	..	2	..
	Total ..	93	..	692	69	16	777	868
Total, Central Circle.	A	1,043	9	2,236	1,022	118	3,385	4,428
	B	1,274	2	5,532	3,458	190	9,182	10,456
	C	..	270	330	204	11	815	..
Grand Total, Central Circle ..		2,317	281	8,098	4,684	319	13,382	14,884
								Southern
South Canara ..	A	* 38	24	185	54	68	331	369
	B	* 38	12	280	91	54	437	475
	C	† ..	..	..	..	..	..	..
	Total ..	‡ 76	36	465	145	122	§ 768	844
North Malabar ..	A	2	2	12	1	10	25	27
	B	1	..	11	5	8	24	25
	C	..	4	1	..	..	5	..
	Total ..	3	6	24	6	18	54	52
South Malabar ..	A	1	..	8	1	3	12	13
	B	..	..	3	..	1	4	4
	C	..	..	..	..	..	..	..
	Total ..	1	..	11	1	4	16	17
The Nilgiris ..	A	8	..	11	12	19	42	50
	B	26	..	149	91	28	268	294
	C	..	4	..	..	..	4	..
	Total ..	34	4	160	103	47	314	344
North Coimbatore.	A	* 107	9	217	151	15	392	499
	B	* 51	4	188	116	5	313	364
	C	..	73	1	..	..	74	..
	Total ..	158	86	406	267	20	779	863

A. Cases taken into Court. B. Cases compounded. C. Cases undetected.

* Variations between the closing and opening balance are due to transfers between heads A and B.

† Not reported. ‡ Revised figure reported by the Collector.

§ Excludes 175 petty offences by 391 persons who were let off with a mere warning.

Rules during 1905–1906—*cont.*

Disposed of during the year.						Cases pending at close of year.
Convictions.		Acquittals.		Total.		
Cases.	Persons.	Cases.	Persons.	Cases.	Persons.	
9	10	11	12	13	14	15
Circle—cont.						
518	1,951	105	681	623	2,632	357
				‖ 23	161	
700	2,055	..	..	700	2,055	177
				‖ 67	196	
..	..	..	..	..	..	..
1,218	4,006	105	681	1,323	4,687	534
				‖ 90	357	
82	223	14	27	96	250	46
959	1,655	..	..	959	1,655	164
				‖ 76	120	
..	..	..	..	..	..	..
1,041	1,878	14	27	1,055	1,905	210
				‖ 76	120	
28	113	6	26	34	139	6
632	1,043	..	..	632	1,043	171
				‖ 25	37	
..	..	..	..	..	..	..
660	1,156	6	26	666	1,182	177
				‖ 25	37	
3,196	8,880	329	1,530	3,525	10,410	809
				‖ 94	305	
8,205	16,594	..	..	8,205	16,594	1,517
				‖ 734	1,635	
..	..	..	..	..	..	..
11,401	25,474	329	1,530	11,730	27,004	2,326
				‖ 828	1,940	
Circle.						
166	364	39	157	205	521	66
				‖ 98	166	
425	991	..	..	425	991	50
..	..	..	..	..	..	..
591	1,355	39	157	630	1,512	116
				‖ 98	166	
18	27	6	16	24	43	3
10	18	..	..	10	18	6
				‖ 9	22	
..	..	..	..	..	..	..
28	45	6	16	34	61	9
				‖ 9	22	
7	47	3	16	10	63	..
				‖ 3	14	
3	19	..	..	3	19	1
..	..	..	..	..	..	..
10	66	3	16	13	82	1
				‖ 3	14	
40	113	3	7	43	120	7
253	845	..	..	253	845	41
..	..	..	..	..	..	..
293	958	3	7	296	965	48
428	1,297	35	233	463	1,530	36
263	702	..	..	263	702	22
				‖ 79	229	
..	..	..	..	..	..	..
691	1,999	35	233	726	2,232	58
				‖ 79	229	

‖ Withdrawn under the orders of the District Forest-officer.

Register of Breaches of Forest

District.		Cases pending from 1904-1905.	New cases of the year.					Total cases.
			Injury to forests by fire.	Unauthorized felling or appropriation of wood and minor forest produce.	Grazing without permission or in tracts in which grazing is prohibited.	Other offences.	Total new cases of the year.	
1		2	3	4	5	6	7	8
								Southern
South Coimbatore..	A	22	1	75	33	64	173	195
	B	25	..	94	54	86	234	259
	C	..	19	..	..	..	19	..
	Total ..	47	20	169	87	150	426	454
Madura	A	163	2	85	30	11	128	291
	B	* 202	..	671	403	68	1,142	1,344
	C	..	19	..	..	1	20	..
	Total ..	365	21	756	433	80	1,290	1,635
Tinnevelly ..	A	18	1	69	73	16	159	177
	B	43	..	382	37	33	452	495
	C	..	27	11	131	..	169	..
	Total ..	61	28	462	241	49	780	672
Total, Southern Circle.	A	359	39	662	355	206	1,262	1,621
	B	386	16	1,778	797	283	2,874	3,260
	C	..	146	13	131	1	291	..
Grand Total, Southern Circle ..		745	201	2,453	1,283	490	4,427	4,881
Presidency ..	A	1,814	73	4,083	1,880	472	6,508	8,322
	B	2,060	21	8,915	5,474	676	15,086	17,146
	C	..	562	456	358	51	1,427	..
Grand Total, Presidency ..		3,874	656	13,454	7,712	1,199	23,021	25,468

A. Cases taken into Court. B. Cases compounded. C. Cases undetected.

* Revised figure reported by the Collector.

Rules during 1905–1906—*cont.*

Disposed of during the year.						Cases pending at close of year.
Convictions.		Acquittals.		Total.		
Cases.	Persons.	Cases.	Persons.	Cases.	Persons.	
9	10	11	12	13	14	15
Circle—cont.						
156	522	13	119	169	641	26
191	586	..	..	191	586	23
..	..	..	..	‡ 45	173	..
347	1,108	13	119	360	1,227	49
				‡ 45	173	
49	196	19	87	68	283	217
				‡ 6	19	
978	2,996	..	..	978	2,996	222
..	..	..	..	‡ 144	554	..
				..	..	
1,027	3,192	19	87	1,046	3,279	439
				‡ 150	573	
146	330	19	65	165	395	12
374	998	..	..	374	998	74
..	..	..	..	‡ 47	..	..
520	1,328	19	65	539	1,393	86
				‡ 47		
1,010	2,896	137	700	1,147	3,596	367
				‡ 107	199	
2,497	7,155	..	..	2,497	7,155	439
..	..	..	..	‡ 324	978	..
				..	..	
3,507	10,051	137	700	3,644	10,751	806
				‡ 431	1,177	
5,462	15,632	664	2,955	6,126	18,587	1,685
				‡ 511	1,351	
13,288	31,778	..	..	13,288	31,778	2,444
..	..	..	..	‡ 1,414	3,973	..
				..	..	
18,750	47,410	664	2,955	19,414	50,365	4,129
				‡ 1,925	5,324	

‡ Withdrawn under the orders of the District Forest-officer.

APPENDIX to Form No. 50 (Statement No. II prescribed by the Government of India).

District.	Details of prosecutions for offences by fire.					
	Serial number.	Area burnt in acres.	Character of offence (whether intentional or careless).	Whether acquitted or convicted.	Section of law under which convicted.	Amount of punishment.
Ganjám ..	* 1	5	Intentional ..	Acquitted ..	....	....
	2	½	Do. ..	Convicted ..	Section 21 (*b*) of the Madras Forest Act.	Two weeks' rigorous imprisonment
	3	3	Do. ..	Pending ..	....	....
	4	4	Do. ..	Do. ..	....	....
	5	1	Do. ..	Withdrawn ..	....	....
	6	3	Do. ..	Pending ..	....	....
	7	1	Do. ..	Do. ..	....	....
	8	*Nil.*	Careless ..	Do. ..	....	....
	9	5 sq. yds.	Intentional ..	Do. ..	..	....
	10	*Nil.*	Do. ..	Convicted ..	Section 21 (*b*) of the Madras Forest Act.	Fined Rs. 10 each.
	11	*Nil.*	Do. ..	Do. ..	Do.	Fined Rs. 25.
	12	*Nil.*	Careless ..	Withdrawn ..	....	....
	13	*Nil.*	Intentional ..	Pending ..	....	....
	14	*Nil.*	Careless ..	Convicted ..	Section 21 (*b*) of the Madras Forest Act.	Fined Rs. 10.
	15	*Nil*	Do. ..	Pending ..	....	....
Vizagapatam.	† 1	2	Careless ..	Convicted ..	Section 21 (*b*) of the Madras Forest Act.	Six weeks' rigorous imprisonment and to pay a sum of Rs. 20 as compensation for damages.
Gódávari ..	* 1	Not known.	Careless ..	Convicted ..	Do.	Fined Rs. 25.
	* 2	Do.	Do. ..	Acquitted ..	....	....
	* 3	Below one acre.	Intentional ..	Withdrawn ..	....	....
Kistna ..	1	35 acres.	Careless ..	Acquitted ..	....	....
Guntúr ..	1	*Nil.*	Intentional ..	Convicted ..	Section 21 (*c*) of the Madras Forest Act.	Three accused, fined Rs. 2 each.
Kurnool, East.	1	40	Careless ..	Acquitted ..	....	....
	2	40	Intentional ..	Pending ..	....	....
	1	2,074	Intentional ..	Convicted ..	Section 21 (*b*) of the Madras Forest Act.	Fined Rs. 2, in default to undergo rigorous imprisonment for a week and to pay Rs. 2 as compensation for damages.
	2	5	Do. ..	Do. ..	Section 21 (*c*) of the Madras Forest Act.	Two accused fined Rs. 20 each, in default rigorous imprisonment for one month.
	3	*Nil.*	Do. ..	Do. ..	Do.	Two accused to undergo three months' rigorous imprisonment.
	4	*Nil.*	Do. ..	Do. ..	Do.	Two accused to undergo fifteen days' rigorous imprisonment.
	5	3	Do. ..	Do. ..	Section 21 (*b*) & (*f*) of the Madras Forest Act.	One accused fined Rs. 8, in default fifteen days' rigorous imprisonment, and to pay a compensation of Rupees 1-8-0 under 21 (*b*) and three months' rigorous imprisonment under section 21 (*f*) and to pay a compensation of Rs. 1-8-0; second accused fined Rs. 8, in default simple imprisonment for fifteen days and to pay Rs. 1-8-0 as compensation under section 21 (*b*); simple imprisonment for one month under section 21 (*f*) and to pay Rs. 1-8-0 as compensation.
Kurnool, West.	6	*Nil.*	Do. ..	Withdrawn ..	....	
	7	*Nil.*	Do. ..	Pending ..	....	
	8	700	Do. ..	Convicted ..	Section 21 (*b*) of the Madras Forest Act.	One accused acquitted; the other fined Rs. 5, in default simple imprisonment for two weeks; also ordered to pay a compensation of Rs. 20.
Nellore ..	1	*Nil.*	Intentional ..	Convicted ..	Section 21 (*d*) of the Forest Act.	One accused fined Rs. 2 and the other to receive 8 stripes.
	2	*Nil.*	Do. ..	Withdrawn ..	....	....
	3	1	Careless ..	Convicted ..	Section 21 (*b*) of the Madras Forest Act.	One accused to suffer rigorous imprisonment for seven days; the case against two others is pending.
Cuddapah ..	1	8	Intentional ..	Pending ..	....	....
North Arcot ..	1	‡ 8	Careless ..	Do. ..	....	....
South Arcot ..	1	5	Intentional ..	Do. ..	Section 21 (*b*) of the Madras Forest Act.	Out of the three accused, two were acquitted The case against the third was withdrawn.
North Salem.	* 1	Kindling fire.	Careless ...	Convicted ..	Section 21 (*c*) of the Madras Forest Act.	Four accused fined As. 8 each, in default simple imprisonment for three days.
	2	4	Intentional ..	Do. ..	Section 21 (*b*) of the Madras Forest Act.	One accused fined Rs. 20, in default thirty days' rigorous imprisonment; the other accused was acquitted.

* Pending case of 1904–1905.
† The result of the case pending at the close of 1904–1905 has not been reported by the Collector.
‡ The hollow of a tree was set fire to to catch a squirrel; the whole tree was burnt and the fire spread around.

Appendix to Form No. 50 (Statement No. II prescribed by the Government of India)—*cont.*

District.	Details of prosecutions for offences by fire.					
	Serial number.	Areas burnt in acres.	Character of offence (whether intentional or careless).	Whether acquitted or convicted.	Section of law under which convicted.	Amount of punishment.
South Canara.	1	20 acres.	Careless ..	Compounded for Rs. 5.	....	....
	2	3 ,,	Do. ..	Convicted ..	Section 21 of the Madras Forest Act.	Accused sentenced to three weeks' hard labour.
	3	13 logs.	Intentional ..	Do. ..	Do.	Fined Rs. 75.
	4	650 acres.	Careless ..	Do. ..	Do.	Fined ,, 60.
	5	20 ,,	Do. ..	Compounded for Rs. 5.	....	....
	6	3 ,,	Do. ..	Convicted ..	Section 21 (*b*) of the Madras Forest Act.	Fined Rs. 15.
	7	150 ,,	Do. ..	Compounded for Rs. 20.	....	....
	8	50 ,,	Do. ..	Compounded for Rs. 25.	....	....
	9	½ acre.	Do. ..	Compounded for As. 8.	....	....
	10	45 acres.	Intentional ..	Convicted ..	Section 21 (*c*) of the Madras Forest Act.	Fined Rs. 10.
	11	2 ,,	Do. ..	Do. ..	Do.	Do. ,, 30.
	12	1 acre.	Careless ..	Pending ..	....	....
	13	20 acres.	Intentional ..	Do. ..	....	....
	14	10 ,,	Do. ..	Do. ..	....	....
	15	25 ,,	Careless ..	Do. ..	....	....
	16	25 ,,	Do. ..	Compounded for Rs. 25.	....	....
	17	12 ,,	Do. ..	Compounded for Rs. 12.	....	....
	18	12 ,,	Do. ..	Pending ..	....	....
	19	200 ,,	Do. ..	Do. ..	....	....
	20	10 ,,	Do. ..	Do. ..	....	....
	21	10 ,,	Do. ..	Do. ..	....	....
	22	250 ,,	Intentional ..	Do. ..	....	....
	23	13 ,,	Careless ..	Do. ..	....	....
	24	200 ,,	Do. ..	Do. ..	....	....
	25	75 ,,	Do. ..	Do. ..	....	....
	26	200 ,,	Do. ..	Do. ..	....	....
	27	5 ,,	Do. ..	Do. ..	....	....
	28	12 ,,	Do. ..	Do. ..	....	....
	29	280 ,,	Do. ..	Withdrawn ..	....	....
	30	350 ,,	Do. ..	Pending ..	....	....
	31	15 ,,	Do. ..	Compounded for Rs. 15.	....	....
	32	73 bamboos.	Intentional ..	Convicted ..	Section 426, Indian Penal Code.	Fined Rs. 6.
	33	*Nil.*	Do. ..	Do. ..	Section 21 (*b*) of the Forest Act.	Do. ,, 5.
	34	1 tree.	Do. ..	Do. ..	Rules 8 and 15 under section 26 of the Madras Forest Act.	Do. ,, 8.
	35	*Nil.*	Do. ..	Acquitted ..	....	....
	36	½ acre.	Do. ..	Pending ..	....	....
	37	2 acres.	Do. ..	Do. ..	....	....
	38	1 acre.	Do. ..	Do ..	....	....
	39	Burning of kumaki lands.	Do. ..	Withdrawn ..	....	....
	40					
North Malabar.	1	180 acres.	Careless ..	Acquitted ..	....	....
	2	700 ,,	Intentional ..	Convicted ..	Section 21 (*b*) of the Madras Forest Act.	Sentenced to undergo rigorous imprisonment for two months.
	3	¼ acre.	Do. ..	Pending ..	....	....
North Coimbatore.	1	50 acres.	Do. ..	Convicted ..	Section 21 (*b*) of the Madras Forest Act.	Four accused sentenced to three months rigorous imprisonment and to pay a compensation of Rs. 25.
	2	10¾ ,,	Do. ..	Do. ..	Do.	Three accused to suffer three months' rigorous imprisonment.
	3		Do. ..	Do. ..	Do.	Twenty-six out of twenty eight accused to suffer rigorous imprisonment for 45 days and two to pay a fine of Rs. 7 and to suffer simple imprisonment for seven days.
	4		Do. ..	Do. ..	Do.	Four out of five accused to pay a fine of Rs. 20 or simple imprisonment for five weeks.
	5		Do. ..	Acquitted ..	....	....

Appendix to Form No. 50 (Statement No. II prescribed by the Government of India)—*cont.*

District.	Details of prosecutions for offences by fire.					
	Serial number.	Areas burnt in acres.	Character of offence (whether intentional or careless).	Whether acquitted or convicted.	Section of law under which convicted.	Amount of punishment.
North Coimbatore—*cont.*	6	801 acs.	Intentional ..	Convicted ..	Section 21 (*b*) of the Madras Forest Act.	First accused to suffer six months' rigorous imprisonment and to pay a fine of Rs. 20 and a compensation of Rs. 20. Second accused to pay a fine of Rs. 10, in default simple imprisonment for one month.
	7		Do. ..	Do. ..	Do.	First accused simple imprisonment for two months and two accused rigorous imprisonment for six months and each of the two accused to pay Rs. 10 as compensation.
	8	25 ,,	Do. ..	Do. ..	Do.	Rigorous imprisonment for three months.
	9		Do. ..	Do. ..	Do.	Each of the two accused to pay Rs. 5 as fine, in default simple imprisonment for one week.
South Coimbatore.	* 1	15 acres.	Careless ..	Withdrawn ..	....	....
	* 2	,,	Intentional ..	Convicted ..	Section 21 (*b*) of the Madras Forest Act.	Each of the three accused to pay a fine of Rs. 15.
	3	½ acre.	Careless ..	Do. ..	Do.	One accused sentenced to a fine of Rs. 15.
Madura ..	* 1	Not known.	Intentional ..	Convicted ..	Do.	Do. do.
	2	Do.	Do. ..	Withdrawn ..	....	....
	3	50 acres.	Careless ..	Pending ..	....	....
Tinnevelly ..	1	30 ,,	Intentional ..	Do. ..	....	....

* Pending case of 1904-1905.

ANNUAL FORM No. 51.

Forest Department, Madras Presidency.

AREA of Forest Tracts protected from Fire during 1905–1906.

District.	Forest tracts.	Year in which protection commenced.	Area protected during the previous year.	During dry season of 1905–1906.			Cost during the season.	Remarks.
				Area attempted to be protected.	Fires.	Actually protected.		
1	2	3	4	5	6	7	8	9
(*b*) Ganjám—Special protection—	*Northern Circle.*		ACS.	ACS.	ACS.	ACS.	RS.	
Mojjaguda..	Dhimrijholi	1903 ..	392	512	..	512	72	
	Rambha	1903 ..	233	215	10	205	35	
	Kaliamba and extension ..	1904 ..	900	70	2	68	5	
	Baiballi	1903 ..	1,300	1,170	124	1,046	92	
	Darpangia and extension ..	1903 ..	1,071	1,700	130	1,570	145	
	Gulleri	1901 ..	3,512	4,389	36	4,353	396	
	Tilikı	1903 ..	1,589	1,486	7	1,479	56	
	Total, Mojjaguda ..	..	8,997	9,542	309	9,233	801	
Kukuluba ..	Jagannadhaprasad ..	1904 ..	440	120	7	113	14	
	Chendragiri	1903 ..	4,515	6,200	300	5,900	498	
	Kullada	1904 ..	600	20	..	20	3	
	Brahmanasai	1901 ..	2,797	2,800	550	2,250	228	
	Gogodo	1903 ..	3,100	3,100	200	2,900	78	
	Ambazora	1903 ..	2,000	2,000	120	1,880	77	
	Total, Kukuluba ..	..	13,452	14,240	1,177	13,063	898	
Buguda ..	Panchabhuti	1903 ..	2,500	1,642	6	1,636	123	
	Kurcholi	1901 ..	800	840	..	840	47	
	Kriamba	1903 ..	8,000	5,455	45	5,410	172	
	Total, Buguda ..	..	11,300	7,937	51	7,886	342	
Suradá ..	Dowgam	1903 ..	769	969	..	969	101	
	Dabuki	1903 ..	1,450	1,385	..	1,385	57	
	Nandipodoro(Pippalaponka)	1903 ..	2,270	3,270	321	2,949	110	
	Bondagocha	1904 ..	238	238	..	238	22	
	Rogada	1903 ..	2,045	2,044	257	1,787	135	
	Mundapetta	1903 ..	1,717	1,717	80	1,637	133	
	Total, Suradá ..	..	8,489	9,623	658	8,965	548	
	Total, Ganjám, Special ..	..	42,238	41,342	2,195	39,147	2,589 + (*a*)224	
Vizagapatam—General protection.	Dharakonda	1901–1902	46,638	46,880	20,985	25,895	31	
	Senivaram	1901–1902	31,446	31,488	30,000	1,488	25	
	Sithakhandi	1901–1902	2,368	2,368	120	2,248	..	
	Arlova	1901–1902	4,318	4,162	..	4,162	5	
	Karaka reserve	1901–1902	8,989	9,469	589	8,880	30	
	Madalammakonda ..	1900–1901	3,600	3,600	..	3,600		
	Pedimikonda	1900–1901	3,311	3,311	..	3,311	..	
	Kodavatipudi	1900–1901	1,544	1,544	..	1,544	..	
	Kakarlakonda	1900–1901	1,924	1,924	..	1,924	..	
	Boddapalem	1900–1901	380	380	..	380	..	
	Venkatapuram	1900–1901	508	508	..	508	..	
	Sarugudu reserve Nos. 1 to 4	1900–1901	19,029	19,079	8,990	10,089	..	
	Peddapalli	1892	9,077	9,077	..	9,077	..	
	Kadagandi	1900–1901	11,064	11,064	208	10,856	106	
	Barnakonda	..	13,527	13,517	345	13,172	2	
	Antikonda	..	6,969	6,969	115	6,854	..	
	Palakonda	..	4,556	4,580	2,424	2,156	..	
	Chinnagora	..	2,381	2,383	223	2,160	..	
	Total, Vizagapatam, General ..	..	171,629	172,303	63,999	108,304	199	
Gódávari—General protection. Bhadráchalam range.	1. Dummagudem reserve.	1887 ..	5,800	6,110	26	6,084	130	
	2. Arlagudem ,, ..	1888 ..	6,063	6,136	..	6,136	218	
	3. Malkanapalli ,, ..	1905 ..	3,645	3,658	30	3,628	46	
	4. Tunikicherwu ,, ..	1905 ..	7,722	8,022	507	7,515	152	
	5. Bhadráchalam ,, ..	1905 ..	10,852	10,860	4	10,856	145	
	6. Gogubaka ,, ..	1905 ..	1,666	1,666	..	1,666	64	
	7. Komanapalli ,, ..	1905 ..	3,034	3,250	274	2,976	74	
	Total, Bhadráchalam ..	..	38,782	39,702	841	38,861	829	

(*a*) Aaded as per Accountant-General's addited figures.

(*b*) The area shown as having been under general protection in the return for the previous year is omitted from this year's return; and the omission has not been explained.

Area of Forest Tracts protected from Fire during 1905-1906—*cont.*

District.	Forest tracts.	Year in which protection commenced.	Area protected during the previous year.	During dry season of 1905-06.			Cost during the season.	Remarks.
				Area attempted to be protected.	Fires.	Actually protected.		
1	2	3	4	5	6	7	8	9
	Northern Circle—cont.		ACS.	ACS.	ACS.	ACS.	RS.	
Gódávari—General protection—*cont.* Marrigudem range.	1. Bandrevu reserve ..	1904 ..	10,900	10,900	473	10,427	108	
	2. Gollaguppa ,, ..	1904 ..	7,788	8,000	77	7,923	160	
	3. Narakonda ,, ..	1904 ..	7,500	7,500	36	7,464	88	
	4. Pegha ,, ..	1904 ..	4,400	4,400	..	4,400	237	
	5. Uppanapalli ,, ..	1904 ..	3,300	3,300	257	3,043	72	
	6. Sitarampuram reserve.	1904 ..	3,000	3,000	..	3,000	74	
	7. Bandarugudem ,,	1904 ..	7,100	7,100	1,920	5,180	140	
	8. Burakankota ,,	1904 ..	1,498	1,500	..	1,500	92	
	9. Kepaka ,,	1887 ..	7,000	7,000	..	7,000	212	
	10. Tatilanka ,,	1887 ..	11,962	12,000	1,056	10,944	134	
	11. Ramachandram ,,	1887 ..	10,298	10,300	..	10,300	298	
	Total, Marrigudem ..	..	74,746	75,000	3,819	71,181	1,615	
Rékapalle range.	1. Rékapalle hills reserve Marrigura, Nelakota, compartments Nos. I to X of Rékapalle hills reserve (working-plans area).	Compartment No. I, 1901. Compartment No. X, 1902. Compartment Nos. II to IX, 1903.	134,533	1,40,530	11,180	129,350	1,513	
	2. Pulusumamidi reserve.	1902 ..	4,520	4,520	450	4,070	108	
	3. Mattapalli ,,	1887 ..	9,492	9,500	230	9,270	268	
	4. Lakkavaram ,,	1905 ..	6,500	6,500	2,240	4,260	106	
	4-a. Do. extension.	1906 ..	..	495	..	495		
	5. Kansulur ,,	1905 ..	6,200	6,200	1,230	4,970	41	
	6. Kalleru ,,	1905 ..	5,500	5,500	2,500	3,000	30	
	7. Walsugri ,,	1905 ..	6,118	6,530	1,000	5,530	62	
	Total, Rékapalli ..	..	172,863	179,775	18,830	160,945	2,122	
	Total for the Sub-division.	..	286,391	294,477	23,490	270,987	4,567	
Rajahmundry range.	1. Lakkonda reserve.	1887 ..	13,104	13,104	6	13,098	96	
	2. Molleru ,,	1887 ..	8,250	8,250	15	8,235	48	
	3. Mallavaram ,,	1887 ..	7,600	7,600	13	7,587	48	
	4. Tirumalayapalem ,,	1887 ..	5,150	5,150	..	5,150	72	
	5. Soodikonda ,,	1887 ..	6,880	6,880	25	6,855	48	
	6. Murari ,,	1889 ..	700	700	..	700	24	
	7. Kogida ,,	1889 ..	1,280	1,280	..	1,280	24	
	8. Diwancheruvu ,,	1887 ..	2,051	2,051	...	2,051	48	
	Total, Rajahmundry ..	..	45,015	45,015	59	44,956	408	
Peddapur range.	1. Anantagiri reserve.	1905 ..	3,050	3,050	800	2,250	54	
	2 Ultimathule ,,	1905 ..	2,600	2,600	100	2,500	80	
	3. Banadapalli ,,	1905 ..	5,800	5,800	500	5,300	107	
	4. Rajavommangi ,,	1905 ..	7,961	7,961	500	7,461	150	
	5. Singampalli ,,	1905 ..	3,142	3,142	75	3,067	56	
	6. Jaddangi ,,	1905 ..	5,775	5,775	200	5,575	106	
	7. Ameenbadu ,,	1905 ..	4,480	4,480	840	3,640	85	
	8. Labbarty ,,	1905 ..	6,500	6,500	750	5,750	109	
	9. Doramamidi ,,	1905 ..	6,400	6,400	700	5,700	110	
	10. Veerabhadrapuram reserve.	1905 ..	10,300	10,300	900	9,400	186	
	11. Vatangi reserve.	1905 ..	8,840	8,840	800	8,040	208	
	12. Lododdi ,,	1905 ..	7,200	7,200	600	6,600	156	
	13. Pedagurrangi ,,	1905 ..	4,000	4,000	100	3,900	82	
	14. Annavaram ,,	1905 ..	8,500	8,500	500	8,000	138	
	15. Lingamparti ,,	1905 ..	6,500	6,500	20	6,480	75	
	16. Kotapalli ,,	1890 ..	2,150	2,150	..	2,150	33	
	Total, Peddapur ..	..	93,198	93,198	7,385	85,813	1,739	
Polavaram range.	1. Bedadavole reserve ..	1890 ..	14,988	15,000	1,004	13,996	168	
	2. Marlagudem ,, ..	1890 ..	2,099	2,100	..	2,100	100	
	3. Three reserves adjoining Hyderabad boundary.	1898 ..	4,968	4,968	..	4,968	60	

Area of Forest Tracts protected from Fire during 1905–1906—*cont.*

District.	Forest tracts.	Year in which protection commenced.	Area protected during the previous year.	During dry season of 1905–06.			Cost during the season.	Remarks.
				Area attempted to be protected.	Fires.	Actually protected.		
1	2	3	4	5	6	7	8	9
Gódávari—General protection—*cont.* Pollavaram range—*cont.*	*Northern Circle*—cont.		ACS.	ACS.	ACS.	ACS.	RS.	
	4. Kovvada reserve ..	1906 ..	..	17,799	1,650	16,149	72	
	5. Kopally ,, ..	1906 ..	..	14,924	2,600	12,324	61	
	6. Papikonda ,, ..	1906 ..	..	11,785	1,000	10,785	276	
	Total, Polavaram ..	..	22,055	66,576	6,254	60,322	737	
	Total for the Main division (General).	..	160,268	2,04,789	13,698	1,91,091	2,884	
	Total for the Sub-division (General).	..	2,86,391	2,94,477	23,490	2,70,987	4,567	
	Total, Gódávari (General).	..	4,46,659	4,99,266	37,188	4,62,078	7,451	
Kistna—Special protection—Bezwada range.	Kondapalli reserve ..	1884–85	345	1,470	..	1,470	159	
	Kothur reserve	1904–1905	370	370	..	370	32	
	Kothur reserve extension No. 2.	1904–1905	50	50	..	50		
	Dasullapalem reserve ..	1904–1905	50	100	..	100	8	
	Jangalapalli reserve ..	1904–1905	59	129	..	129	8	
	Velvadam reserve ..	1904–1905	50	100	..	100	8	
	Kondur reserve	1903–1904	200	310	..	310	10	
	Jaggavapeta reserve ..	1904–1905	50	50	..	50	4	
	Budavada reserve ..	1904–1905	69	69	..	69	8	
	Total, Bezwada ..	..	1,243	2,648	..	2,648	237	
	Yerraguntapalli reserve ..	1887–88	8,640	8,640	71	8,569	117	Three fires.
Ellore range.	Barrikonda reserve ..	1887–88	4,010	4,010	4	4,006	32	One fire.
	Bandamcherla reserve ..	1887–88	5,200	5,200	..	5,200	48	
	Total, Ellore ..	..	17,850	17,850	75	17,775	197	
	Total, Kistna (Special) ..	..	19,093	20,498	75	20,423	434	
General protection—Bezwada range.	Kondapalli	..	21,401	20,477	..	20,477	..	
	Total, Kistna (Special and General).	..	40,494	40,975	75	40,900	434	
Guntúr—Special protection.	Venkatayapalem reserve, Compartments I, II and III.	1894–95	15,528	15,588	1,508	14,080	62	
	Bollapalli reserve, Compartments I to VI.	1885–86	18,583	18,584	..	18,584	24	
	Coupes in Vinukonda range.	1903–1904	680	700	..	700	..	
	Gangalakunta reserve ..	1890–91	5,008	5,008	..	5,008	21	These two reserves were omitted to be shown in the last year's return as specially protected under a misapprehension.
	Paswemula reserve ..	1892–93	1,088	1,088	..	1,088	..	
	Copes in Palnad range ..	1905–1906	..	4,076	..	4,076	..	
	Mutukúr reserve ..	1905–1906	..	3,245	100	3,145	..	
	Coupes in Sattenapalle range.	1905–1906	..	552	..	552	..	
	Kondavid reserve ..	1905–1906	..	600	4	596	30	
	Tadepalli ,, ..	1905–1906	..	300	..	300		
	Total, Guntúr (Special) ..	..	40,887	49,741	1,612	48,129	137	
General protection.	Venkatayapalem reserve..	..	24,978	24,978	552	24,426	..	
	Gangalakunta reserve ..	..	17,659	17,659	..	17,659	..	
	Paswemula reserve ..	..	18,375	18,375	..	18,375	..	
	Total, Guntúr (General) ..	..	61,012	61,012	552	60,460	..	
	Total, Guntúr (Special and General).	..	101,899	110,753	2,164	108,589	137	

Area of Forest Tracts protected from Fire during 1905–1906—*cont.*

District.	Forest tracts.	Year in which protection commenced.	Area protected during the previous year.	During dry season of 1905-06.			Cost during the season.	Remarks.
				Area attempted to be protected.	Fires.	Actually protected.		
1	2	3	4	5	6	7	8	9
	Northern Circle—cont.		ACS.	ACS.	ACS.	ACS.	RS.	
	These now form the Railway fuel working circle—							
Kurnool, East—Special protection.	"A" block .. .	1889 ..	23,580	101,290 (whole of the Railway working circle).	3,694	97,596	8,492	
	South Chelama ..	1891 ..						
	Do. Addition ..	1894 ..						
	Diguametta ..	1891 ..						
	Jangambhavi ..	1891 ..						
	Chelama improvement felling block.	1895 ..						
	Gazulapalli Railway fuel felling coupe.	1902 ..						
	Chelama coupe ..	1902 ..						
	Palerdam coupe ..	1903 ..						
	Compartment No. III coupes.	1902 ..						
	Fire tracing Railway line around Chelama house.	..						
	Maddipenta	..	..	880	..	880	67	
	Kathulakonda block ..	..	..	12,560	100	12,460	656	
	Mantikonda block ..	..	..	500	30	470		
	Pedda Mantikonda ..	..	..	1,000	..	1,000	320	
	General protection.							
	Markapur reserve ..	..	..	..	..	..	10	
	Giddalur range	..	..	..	..	..	1	
	Total Kurnool East, special.	..	23,580	116,230	3,824	112,406	10,046 + (a) 30	
Kurnool, West—	North and South Bairluti blocks.	1887 ..	..	..	..	..	..	Not taken up during the year.
	Gummakonda block ..	1893 ..	..	..	..	..	..	
	Gadidemadugu reserve coupe.	1903 ..	325	433	..	433	23	
	Waddeman reserve ..	1905 ..	..	120	..	120	17	
	Yaparlapad ,, ..	..	..	340	..	340	31	Yerramalais.
	West Kamallakot reserve.	..	..	280	..	280	26	
	Lanjabanda reserve ..	..	..	394	..	394	28	
	Betamcherla ,, ..	..	..	922	..	922	21	
	North Dhone ,, ..	1903 ..	1,075	1,433	..	1,433	30	
	Kamalapuram ,, ..	1903 ..	141	188	..	188	14	
	South Dhone ,, ..	1904 ..	298	397	317	80	20	
	Southern Mahratta Railway line along the North Dhone.	..	..	..	..	..	20	Nallamalais.
	Mr. Wood's fire line in Nallamalais.	..	..	..	..	..	..	
	Velgode Range, 18 miles	1904 ..	..	80,000	19,360	60,640	1,120	
	Part of Nandyal and Ernapad Reserve Terai portions.	1905 ..					1,246	
	Total, Kurnool West, special.	..	1,839	84,507	19,677	64,830	2,596 + (b) 22	
Bellary—								
Hospet ..	Ramandrug	1883 ..	6,793	8,887	119	8,768	1,092	
	North-east block ..	1883 ..	3,961	3,196	46	3,150		
	Donamalai	1883 ..	1,112	1,646	..	1,646		
	Tornagallu	1898-99 ..	50	50	..	50		
Adóni ..	Kupgal	1892-93 ..	462	497	1	496	91	
	Tungabhadra	1892-93 ..	75	75	..	75		
Bellary ..	Malapanagudi Yepi block.	1886-87 ..	1,066	1,066	..	1,066	37	
Kudligi ..	Sivapuram	1902-1903.	..	200	..	200	2	
	Kakuppi	1906 ..	..	60	..	60	8	
	Chiribi	1906 ..	..	150	..	150	2	
Harpanahalli.	Hyrada coupes ..	1899-1900.	..	2 000	..	2,000	39	
	Jettinacatta	1906 ..	..	1,250	..	1,250	35	
	Total, Bellary ..	..	13,519	19,077	166	18,911	1,297 + (a) 16	

(a) Added as per Accountant General's audited figures.

(b) Represents the cost of 5 iron drums.

Area of Forest Tracts protected from Fire during 1905-1906—*cont.*

District.	Forest tracts.	Year in which protection commenced.	Area protected during the previous year.	During dry season of 1905–1906.			Cost during the season.	Remarks.
				Area attempted to be protected.	Fires.	Actually protected.		
1	2	3	4	5	6	7	8	9
	Northern Circle—cont.		ACS.	ACS.	ACS.	ACS.	RS.	
Anantapur—Special protection.	1. Muchukota	1884 ..	10,000	10,000	..	10,000	194	
	2. Kothakota	1884 ..	8,976	11,016	1,696	9,320	279	
	3. Amagondapaliem ..	1884 ..	15,340	15,360	805	14,555	132	
	4. Nyalakota	1890 ..	12,141	12,156	110	12,046	183	
	5. Konappanayanipalli Working Circle, Narasampalli compartment I.	1905 ..	1,215	1,215	700	515	9	
	6. Penukonda Working Circle, Penukonda reserve compartment I.	1905 ..	1,700	1,700	10	1,690	14	
	7. Yerracherla Working Circle, compartment I.	1905 ..	411	411	..	411	19	
	8. Rallahalli Working Circle, Kekathi reserve compartment I.	1905 ..	626	626	..	626	24	
	9. Madakasira Working Circle, Madakasira north compartment I.	1906 ..	..	739	..	739	25	
	Total, Anantapur, Special.	..	50,409	53,223	3,321	49,902	879	
General protection.	1. Guttur (West)	1887 ..	3,480	3,880	800	3,080	14	
	Total, Anantapur, Special and General.	..	53,889	57,103	4,121	52,982	893	
	Total, Northern Circle, Special.	..	191,565	384,618	30,870	353,748	18,270	
	Total, Northern Circle, General.	..	704,181	756,938	102,539	654,399	7,664	
	Grand Total, Northern Circle Special and General.	..	895,746	1,141,556	133,409	1,008,147	25,934	
	Central Circle.							
Cuddapah (a) Special protection.	Settigunta	1871 ..	8,960	8,960	5	8,955		
	Chiyyavaram	1903 ..	7,747	7,747	2	7,745		
	Kodur Hill	1874 ..	13,995	13,995	343	13,652	231	
	Gottimanikona	1905 ..	5,569	5,569	1,260	4,309		
	Salivendla	1905 ..	17,599	17,599	1,210	16,389		
	Seshachellam	1867, 1873, 1905.	150,203	150,203	23,820	126,383	1,588	
Pullampet.	Tenukonda	1905 ..	1,048	1,048	..	1,048	..	
	Reddipalle	1905 ..	1,873	1,873	..	1,873	..	
	Vattaloor	1905 ..	2,880	2,880	..	2,880	..	
	Yerrakonda	1905 ..	8,292	8,292	..	8,292	..	
	Buduguntlapalle	1905 ..	4,674	4,674	3,140	1,534	..	
	Cheyyer	1905 ..	5,592	5,592	934	4,658	..	
	Patoor	1905 ..	3,495	3,495	3,495	..	..	
	Kannekalakonda	1905 ..	4,764	4,764	410	4,354	..	
	Chitvel	1905 ..	15,922	15,922	..	15,922	..	
Sidhout ..	Palakondas	1901—1905.	35,538	35,538	140	35,398	571	
	Cheyyer	1905 ..	588	588	100	488	..	
	Patoor	1905 ..	4,735	4,735	900	3,835	..	
	Kanakalakonda	1905 ..	2,373	2,373	600	1,773	..	
	Vontimitta	1905 ..	7,029	7,029	4	7,025	9	
	Konarazupalle	1905 ..	26,811	26,811	890	25,921	189	
	Kanamalapalle	1905 ..	7,895	7,895	5,921	1,974	..	
	Lankamalais coupe ..	1905 ..	1,353	1,353	..	1,353	217	
Badvel ..	Nallamalais coupe ..	1905 ..	160	160	80	80	71	
Proddatur ..	Lankamalais coupe ..	1905 ..	40	40	..	40	23	
	Nallamalais coupes ..	1905 ..	119	119	80	39	65	
Cuddapah ..	Lankamalais	1905 ..	1,150	1,150	..	1,150	151	
	Palakondas	1901—1905.	35,510	35,510	1,715	33,795	1,413	
	Ganganapalle	1905 ..	52,343	52,343	3,763	48,580	..	
	Idupulapaya	1905 ..	20,259	20,259	232	20,027	..	
	Redlacheruvoo	1905 ..	6,420	6,420	..	6,420	..	
Kadiri ..	Nigidi	1905 ..	29,957	29,957	800	29,157	170	
	Malakavemala	1905 ..	2,760	2,760	..	2,760	..	

(a) The variations between the figures entered in column 4 of the return for 1905–1906 and those entered in column 7 of the previous year's return are reported to be due to the adoption of revised figures.

Area of Forest Tracts protected from Fire during 1905–1906—*cont.*

District.	Forest tracts.	Year in which protection commenced.	Area protected during the previous year.	During dry season of 1905–1906.			Cost during the season.	Remarks.
				Area attempted to be protected.	Fires.	Actually protected.		
1	2	3	4	5	6	7	8	9
	Central Circle—cont.		ACS.	ACS.	ACS.	ACS.	RS.	
Rayachóti ..	Seshachellam	1905 ..	30,819	30,819	3,878	26,941	558	
	Yerrakonda	1905 ..	11,219	11,219	1,631	9,588	..	
	Gadikota	1905 ..	21,345	21,345	3,048	18,297	..	
	Palakondas	1905 ..	46,877	46,877	10,182	36,695	254	
	Idupalapaya	1905 ..	14,984	14,984	953	14,031	..	
	Sibyala	1905 ..	4,215	4,215	..	4,215	..	
	Tundupalle	1905 ..	3,000	3,000	..	3,000	..	
	Palimerapalle	1905 ..	1,702	1,702	..	1,702	..	
	Cheyyer	1905 ..	3,400	3,400	..	3,400	..	
Vayalpad.	Horsleykonda	1905 ..	21,739	21,739	210	21,529	144	
	Seshachellam	1890, 1903 1904–05	33,586	33,586	4	33,582	451	
	Bhakrapet	1905 ..	10,600	10,600	..	10,600	..	
	Total, Cuddapah, Special.	..	691,139	691,139	69,750	621,389	6,105	
Nellore ..	Udayagiri Veligondas A and B blocks.	1883 ..	59,962	60,000	54	59,946	490	
	Gundalakonda attached to Veligonda A in Udayagiri range.	1903 ..	720	720	..	720		
	Udayagiri-Durgam hill and Korisakonda.	1902 ..	15,760	15,760	..	15,760	47	
	Udayagiri-Yerrakondas in Udayagiri range.	1903 ..	14,080	14,080	..	14,080	63	
	Rapur-Veligondas A and B blocks in Rapur range.	1883 ..	30,718	30,720	268	30,452	412	
	Nandanavanam blocks and its extensions A and B and Vedullacheruvu or Kanigiri-Veligondas in Kanigiri range.	1883 ..	26,780	26,780	..	26,780	294	
	Total, Nellore ..	..	148,020	148,060	322	147,738	1,306	
	Chingleput.							
Chingleput range.	Neyyore	1900–01 ..	283	283	..	283	4	
	Karunguli	1900–01 ..	16	16	..	16	..	
Tiruvallúr range.	Kambakkam	1883–84 ..	15,879	15,879	50	15,829	460	
	Nagalapuram	1883–84 ..	9,632	9,632	..	9,632		
	Total, Chingleput ..	..	25,810	25,810	50	25,760	464	
North Arcot. Special protection—Chittoor range.	Chittapara reserve ..	1888 ..	4,276	4,276	..	4,276	10	
	Paradarami	1880 ..	9,100	9,100	2	9,098	26	
	Pachigunta	1888 ..	1,800	1,800	..	1,800	4	
	Irola A and B	1888 ..	12,374	12,531	4,220	8,311	29	
	Irala extension	1893 ..	Transferred to General protection.				..	
	Perappumalai	1899 ..	2,227	2,227	..	2,227	5	
	Tavanampalle	1899 ..	1,857	1,862	..	1,862	1	
	Puthalpet	1891 ..	3,077	3,077	4	3,073	1	
	Dhamalcherla A and B ..	1892 ..	2,368	2,368	..	2,368	6	
	Pudiputlabylu	1880 ..	4,094	4,294	30	4,264	9	
	Kinatipalli A	1884 ..	1,417	1,417	..	1,417	5	
	Chilapalle	1884 ..	1,166	1,166	..	1,166	2	
	Basavapalle A and B ..	1888 ..	Transferred to General protection.				..	
	Do. extension ..	1894 ..	841	841	..	841	2	
	Veerisettepalle	1888 ..	7,044	7,044	2	7,042	6	
	Chittoor reserve	1882 ..	385	385	..	385	13	
	Panamadangi	1887 ..	10,514	10,515	0	10,515	8	Transferred from Gudiyáttam range (Special protection).
	Kunjanur	1893 ..	1,549	1,549	50	1,499	8	
	Total, Chittoor ..	..	64,089	64,452	4,308	60,144	135	

Area of Forest Tracts protected from Fire during 1905–1906—*cont.*

District.	Forest tracts.	Year in which protection commenced.	Area protected during the previous year.	During dry season of 1905-1906. Area attempted to be protected.	Fires.	Actually protected.	Cost during the season.	Remarks.
1	2	3	4	5	6	7	8	9
	Central Circle—cont.		ACS.	ACS.	ACS.	ACS.	RS.	
Chandragiri.	Napier reserve	1880 ..	8,826	8,826	..	8,826	68	
	Mamandur extension ..	1888 ..	10,291	10,291	50	10,241	19	
	Mamandur	1874 ..	1,655	1,760	157	1,603	216	
	Tirupati hill	1888 ..	18,482	18,554	2,700	15,854	84	
	Chamala	1880 ..	18,487	19,142	275	18,867	87	
	Nagapatla	1890 ..	18,500	18,912	300	18,612	47	
	Mungelpet	1890 ..	27,744	27,744	580	27,164	6	
	Panapakam	1880 ..	17,298	17,318	166	17,152	4	
	Tirupati extensions A and B.	1891 ..	Transferred to general protection.				..	
	Total, Chandragiri ..	..	121,283	122,547	4,228	118,319	531	
Palmanér ..	Pednaigdrug	1880 ..	13,915	14,419	1,025	13,394	35	
	Mordona	1884 ..	9,113	9,200	520	8,680	6	
	Charagal	1888 ..	6,159	6,719	20	6,699	17	
	Peddur	1880 ..	16,326	16,526	282	16,244	71	
	Naickaneri	1880 ..	6,840	6,840	630	6,210	45	
	Musalimadugu	1884 ..	5,252	5,542	..	5,542	130	
	Palmanér	1892 ..	6,145	6,298	..	6,298	68	
	Peddur extension	1902 ..	9,274	9,394	115	9,279	28	
	Basavareddipalle	1884 ..	5,420	5,492	..	5,492	20	Transferred from general protection.
	Nellipatta reserve ..	1895 ..	7,132	7,134	20	7,114	47	
	Pathickonda	1893 ..	5,190	5,191	6	5,185	2	
	Total, Palmanér ..	..	90,776	92,755	2,618	90,137	464	
Gudiyáttam.	Naickaneri reserve ..	1884 ..	5,053	5,153	800	4,353	14	
	Mordana (Gudiyáttam portion).	1884 ..	14,314	14,614	1,240	13,374	14	
	Amburdrug	1884 ..	10,139	10,139	250	9,889	33	
	Mordana extension ..	1891 ..	5,634	9,094	400	8,694	20	
	Gundlapalli	1894 ..	7,354	7,354	..	7,354	7	
	Synagunta	1891 ..	7,306	7,306	..	7,306	7	
	Chargal (Gudiyáttam portion).	1893 ..	11,036	11,566	345	11,221	31	
	Karapet ..	1892 ..	7,810	8,000	100	7,900	50	
	Naickaneri extension ..	1887 ..	1,518	1,568	4	1,564	14	
	Paradarami do. ..	1889 ..	Transferred to general protection.			..	..	
	Do. reserve ..	1903 ..	4,302	4,302	5	4,297	9	
	Jangalapalli	1903 ..	2,734	2,734	10	2,724	8	
	Pallalacuppam	1903 ..	94	94	..	94	3	
	Kallapady	1894 ..	Transferred to general protection.			..	..	
	Penamadangi	1894 ..	Transferred to special protection under Chittoor range.			..	..	
	Kunjanur	1894 ..				..	..	
	Total, Gudiyáttam ..	..	80,294	81,924	3,154	78,770	210	
Vellore, West.	Arasampat reserve ..	1887 ..	30,509 *	30,714*	578	30,136	125	* Includes 12,824 acres transferred from Polur range (general protection).
	Ambur fuel	1879 ..	5,088	5,453	912	4,541	45	
	Vellakal	1889 ..	4,827	5,036	1,109	3,927	29	
	Ambur	1887 ..	26,888	27,878	1,831	26,047	117	
	Athiyur	1889 ..	4,760	4,800	125	4,675	24	
	Palamadi	1880 ..	Transferred to Vellore East range special protection.			..	..	
	Thellai	1891 ..	1,315	1,330	..	1,330	26	
	Karuthamalai	1882 ..	20,486	20,487	45	20,442	44	
	Kylasagiri	1892 ..	2,534	2,535	240	2,295	57	
	Kaniyambadi	1892 ..	Transferred to Vellore East range special protection.			..	..	
	Banavaram	1880 ..				..	..	
	Punganur	1884 ..	Do.			..	..	
	Ammur	1884 ..	Do.			..	..	
	Sanankuppam reserve ..	1893 ..	13,843	13,843	1,240	12,603	6	
	Nellimalai	1892 ..	2,797	2,797	..	2,797	5	
	Appukal	1892 ..	776	800	40	760	4	
	Total, Vellore, West ..	..	113,823	115,673	6,120	109,553	482	
Vellore, East.	Palamady reserve ..	1880 ..	7,700	8,160	1,672	6,488	92	
	Kaniyambasi	1892 ..	5,097	5,472	370	5,102	4	
	Banavaram	1880 ..	1,019	1,021	1	1,020	2	
	Punganur	1884 ..	12,624	13,498	5,650	7,848	48	
	Amur	1884 ..	5,139	5,139	400	4,739	2	
	Total, Vellore, East ..	..	31,579	33,290	8,093	25,197	148	

Area of Forest Tracts protected from Fire during 1905-1906—*cont.*

District.	Forest tracts.	Year in which protection commenced.	Area protected during the previous year.	During dry season of 1905-1906.			Cost during the season.	Remarks.
				Area attempted to be protected.	Fires.	Actually protected.		
1	2	3	4	5	6	7	8	9
	Central Circle—cont.		ACS.	ACS.	ACS.	ACS.	RS.	
Pólúr ..	Karnatighur	1881 ..	7,270	7,271	430	6,841	105	
	Malayalam	1887 ..	27,635	28,614	730	27,884	97	
	Mulacad	1890 ..	15,184	15,744	459	15,285	104	
	Santavasal	1890 ..	9,498	9,670	364	9,306	38	
	Periamalai	1892 ..	6,552	6,970	2	6,968	35	
	Parvadamalai	1892 ..	5,349	5,779	45	5,734	17	
	Thellai	1891 ..	14,821	14,862	25	14,837	20	
	Vellimalai	1893 ..	903	2,003	50	1,953	10	
	Veerappanur	1886 ..	31,469	31,469	81	31,388	40	
	Kelur	1884 ..	2,973	2,989	..	2,989	3	
	Total, Pólúr ..	..	121,654	125,371	2,186	123,185	469	
	ABSTRACT.							
	Chittoor		64,089	64,452	4,308	60,144	135	
	Chendragiri		121,283	122,547	4,228	118,319	531	
	Palmanér		90,776	92,755	2,618	90,137	464	
	Gudiyáttam		80,294	81,924	3,154	78,770	210	
	Vellore West		113,823	115,673	6,120	109,553	482	
	Vellore East		31,579	33,290	8,093	25,197	148	
	Polur		121,654	125,371	2,186	123,185	469	
	Total North Arcot, Special ..		623,498	636,012	30,707	605,305	2,439	
North Arcot—General protection.	Irala extension reserve ..	1893 ..	2,630	2,650	..	2,650	..	Transferred from special protection.
	Basavapalle A and B ..	1888 ..	1,776	1,784	..	1,784		
	Santhapet	1882 ..	2,148	2,148	..	2,148	..	
	Bommasamudram A and B.	1891 ..	1,128	1,128	4	1,124	..	
	Vavilthotta	1891 ..	2,107	2,107	..	2,107	..	
	Bommasamudram extn. ..	1892 ..	1,312	1,312	..	1,312	..	
Chittoor ..	Kinatipalle ,,	1893 ..	994	994	..	994	..	
	Reddigunta reserve ..	1893 ..	1,441	1,441	..	1,441	..	
	Chases hill	1893 ..	2,692	2,692	..	2,692	..	
	Santhapet extension A, B & C.	1893 ..	483	483	..	483	..	
	Mahimandalam	1888 ..	2,527	2,528	..	2,528	..	
	Kinatipalli extension B ..	1893 ..	25	25	..	25	..	
	Bommanaickanpalyaam reserve.	1894 ..	913	912	10	902	..	Transferred from Gudiyáttam range (general protection).
	Total, Chittoor ..	..	20,176	20,204	14	20,190	..	
Chendragiri.	Sanambatla reserve ..	1892 ..	5,139	5,139	60	5,079	..	
	Pakala A and B	1894 ..	2,035	2,035	..	2,035		
	Napier extension	1900 ..	26	26	..	26	..	
	Penumur	1893 ..	1,350	1,350	..	1,350	..	
	Panapakkam	1892 ..	9,071	9,082	125	8,957	..	
	Chendragiri hill	1892 ..	1,293	1,293	..	1,293	..	
	Penumur extension A & B.	1893 ..	3,123	3,123	..	3,123	..	
	Penumur extension (Chittoor portion).	1891 ..	1,082	1,082	..	1,082	..	
	Tirupati extensions A & B.	1891 ..	6,298	6,298	..	6,298	..	Transferred from special protection
	Total, Chendragiri ..	..	29,417	29,427	185	29,242	..	
Palmanér ..	Melmoye	1884 ..	1,568	1,568	..	1,568	..	
	Musalimadugu extension.	1895 ..	1,875	1,875	..	1,875	..	
	Basuvareddipalli reserve.	1884 ..	Transferred to special protection.				..	
	Pattikonda	1893 ..	Do. do.				..	
	Basuvareddipalli extension A.	1895 ..	1,929	2,169	..	2,169	..	
	Do. B ..	1895 ..	5,792	5,792	..	5,792	..	
	Alapalli	1895 ..	2,029	2,029	..	2,029	..	
	Nellipatla	1895 ..	Transferred to special protection.				..	
	Virlabunda	1895 ..	2,566	2,570	..	2,570	..	
	Thotakanama	1895 ..	4,640	4,710	..	4,710	..	
	Peddur extension	1902 ..	Transferred to special protection.				..	
	Total, Palmanér ..	..	20,399	20,713	..	20,713	..	

Area of Forest Tracts protected from Fire during 1905-1906—*cont.*

Range.	Forest tracts.	Year in which protection commenced.	Area protected during the previous year.	During dry season of 1905-06.			Cost during the season.	Remarks.
				Area attempted to be protected.	Fires.	Actually protected.		
1	2	3	4	5	6	7	8	9
	Central Circle—cont.		ACS.	ACS.	ACS.	ACS.	RS. A. P.	
Gudiyáttam.	Pallalacuppam reserve ..	1892 ..	6,649	6,729	..	6,729	..	Transferred from special protection.
	Do. extensions A & B.	1893 ..	5,883	5,883	..	5,883	..	
	Bommanaickenpaliam ..	1894 ..	Transferred to general protection (Chittoor range).					
	Kempasamudram A & B ..	1893 ..	1,384	1,414	25	1,389	..	
	Synagunta extensions A & B.	1892 ..	2,496	2,496	..	2,496	..	
	Gundlapalli extension ..	1894 ..	928	928	..	928	..	
	Paradarami do. ..	1889 ..	1,888	1,888	..	1,888	..	
	Kallapady reserve ..	1894 ..	6,945	6,945	..	6,945	..	
	Total, Gudiyáttam ..	..	26,173	26,283	25	26,258	..	
Vellore West.	Vellore reserve	1892 ..	Transferred to general protection of Vellore East range.					
	Palliconda	,, ..	3,898	3,898	274	3,624	..	
	Nellimalai	,, ..	Transferred to special protection.			..	..	
	Parvamalai	,, ..	7,078	7,078	..	7,078	..	
	Ammanur	1880 ..	Transferred to Vellore East (general protection).					
	Appukal	1892 ..	Do. special protection.					
	Sanancuppam	1893 ..	Do. do.					
	Vannivedu plantation ..	1880 ..	37	39	..	39	..	
	Total, Vellore West ..	..	11,013	11,015	274	10,741	..	
Vellore East.	Vellore reserve	1892 ..	2,413	2,413	370	2,043	..	Transferred from Polur range general protection.
	Ammanur	1880 ..	203	203	..	203	..	
	Brahmanakatchery ..	1884 ..	561	561	..	561	..	
	Kodiyalam	,, ..	243	243	..	243	..	
	Badur	,, ..	835	835	..	835	..	
	Vengunam	,, ..	1,283	1,288	..	1,288	..	
	Nambedu	,, ..	947	947	..	947	..	
	Vishamangalam	,, ..	1,148	1,148	..	1,148	..	
	Ponnur	,, ..	1,656	1,656	..	1,656	..	
	Nedungal	,, ..	2,298	2,298	..	2,298	..	
	Nambedu extensions A, B & C.	1895 ..	397	397	..	397	..	
	Nedungunam reserve ..	1884 ..	1,635	1,637	..	1,637	..	
	Total, Vellore East ..	..	13,619	13,626	370	13,256	..	
Polur (*a*) ..	Pathur reserve	1879 ..	18,458	18,458	..	18,458	..	
	Arasambut reserve ..	1884 ..	Transferred to Vellore west range (special protection).					
	Patrakad	1881 ..	24,964	25,254	130	25,124	..	
	Kappalur	1884 ..	1,504	1,504	..	1,504	..	
	Alialamangalam	1884 ..	10,015	10,027	..	10,027	..	
	Santavasal extensions A & B.	1882 ..	331	331	..	331	..	
	Total, Polur ..	..	55,272	55,574	130	55,444	..	
	Abstract.							
	Chittoor		20,176	20,204	14	20,190	..	
	Chandragiri		29,417	29,427	185	29,242	..	
	Palmanér		20,399	20,713	..	20,713	..	
	Gudiyáttam		26,173	26,283	25	26,258	..	
	Vellore west		11,013	11,015	274	10,741	..	
	Do. east		13,619	13,626	370	13,256	..	
	Polur		55,272	55,574	130	55,444	..	
	Total ..		176,069	176,842	998	175,844	..	
	Total, N. Arcot, Special protection ..		623,498	636,012	30,707	605,305	2,439	
	Total, Do. General protection ..		176,069	176,842	998	175,844	..	
	Total, N. Arcot, Special and General (*b*).		799,567	812,854	31,705	781,149	2,439	

(*a*) The remaining 10 items entered in the annual return for 1904-1905 have been transferred to Vellore East range (general protection) during the year under report.

(*b*) The variation between figures of column 7 of Form No. 51 of last year and column 4 of this statement is due to transfers from general to special protection and *vice versâ*.

Area of Forest Tracts protected from Fire during 1905–1906—*cont.*

District.	Forest tracts.	Year in which protection commenced.	Area protected during the previous year.	During dry season of 1905-1906.			Cost during the season.	Remarks.
				Area attempted to be protected.	Fires.	Actually protected.		
1	2	3	4	5	6	7	8	9
	Central Circle—cont.		ACS.	ACS.	ACS.	ACS.	RS.	
South Arcot. (*a*) Tiruvannámalai range.	Annamalai Range Forest.	1878 ..	1,672	* 1,727	3	1,724	231	
	Kanuthi	1878 ..	6,708	* 6,978	10	6,968	207	
	Tenmalai	1877 ..	25,424	31,706	1,687	30,019		
	Nallapattu	1889 ..	5,094	5,094	..	5,094		
	Pelamarathur	1889 ..	5,075	5,075	..	5,075	607	* Revised figure according to the working-plan which is based on the areas computed by the Survey of India and locally.
	Paramanandul	1895 ..	1,517	1,517	280	1,237		
	Mudanai	1898 ..	7,040	* 7,042	..	7,042		
	Valasamalai	1883–84 ..	7,586	* 7,626	..	7,626	260	
	Nathampalli	1889 ..	5,188	* 5,188	..	5,188	255	
	Perungalathur .. Sinammalai ..	1883–84 ..	5,478	* 6,056	..	6,056	151	
	Chinnasamudram ..	1900 ..	2,797	2,842	..	2,842	38	
Kallakurchi.	Damarakadu	1900 ..	3,266	3,764	..	3,764	163	
	Tagarai	1883–84 ..	11,163	* 11,163	..	11,163	221	
	Parikan	1906 ..	..	1,254	..	1,254	59	
	Total South Arcot ..		88,008	97,032	1,980	95,052	2,192	
North Salem Division—Special protection. Tiruppattúr range.	Singarapet	1881 ..	739	592	..	592	37	
	Total, Tiruppattúr range.	..	739	592	..	592	37	
Hosúr range.	Melagiri	1885 ..	5,454	5,461	3	5,458	44	
	Kanavoi Kottapalli ..	1885 ..	742	742	560	182	21	
	Gulhatti	1885 ..	3,248	3,248	..	3,248	38	
	Manchi	1885 ..	..	3,305	50	3,255	170	
	Kanavanagasandiram ..	1885 ..	414	416	..	416	8	
	Total, Hosúr range ..	..	9,858	13,172	613	12,559	281	
	Total, North Salem, Special Protection.	..	10,597	13,764	613	13,151	318	
General protection. Tiruppattúr range.	Alangayam	1891 ..	1,302	1,302	..	1,302	37	
	Narasingapuram	1893 ..	310	310	..	310	..	
	Kalarapatti	1895 ..	728	728	..	728	19	
	Punguiam coupes	1895–96 ..	1,366	1,366	..	1,366	50	
	Andiyappanur	1894 ..	1,326	1,326	..	1,326	50	
	Govindapuram	1895 ..	369	351	..	351	6	
	Kottur (Yelagiris) ..	1895 ..	1,225	1,225	..	1,225	..	
	Onnakarai	1897 ..	..	..	..	..	* 15	
	Kallavi	..	1,858	1,858	..	1,858	20	
	Kothur block	1883 ..	1,200	..	..	..	* 24	
	Naralacota	1893 ..	1,452	1,482	..	1,482	59	
	Maharajagadai	1896 ..	1,361	1,466	4	1,462	62	
	Mangalam	1901–02 ..	981	981	..	981	16	
	Elavambadi	1902–03 ..	1,894	1,894	..	1,894	11	
	Mambakkam	1904–05 ..	118	402	1	401	5	
	Varatanapalli	1905–06 ..	..	690	..	690	23	* These amounts were charged during the current year for fire-tracing work done during last year.
	Nandibunda	1904–05 ..	..	496	..	496	22	
	Burgur	1905–06 ..	..	492	..	492	22	
	Nagaluthu coupe V ..	1904–05 .	96	186	..	186	3	
	Jolarpet coupe 1	1904–05 ..	62	125	..	125	..	
	Inner Javadis	1905–06 ..	..	..	..	..	* 10	
	Total, Tiruppattúr range.	..	15,648	16,680	5	16,675	454	
Dharmapuri range.	Thorpoor coupes 1 & 2 ..	1904–05 ..	200	420	200	220	12	
	Woddapatti	1905–06 ..	..	160	..	160	9	
	Total, Dharmapuri ..	..	200	580	200	380	21	
Hosúr range.	Jowlagiri	1900 ..	4,590	5,145	25	5,120	92	
	Noganur coupe	1900 .	338	338	.	338	12	
	Total, Hosur ..	..	4,928	5,483	25	5,458	104	
	Total, North Salem General Protection.	..	20,776	22,743	230	22,513	579	
	Total, North Salem, General and Special Protection.	..	31,373	36,507	843	35,664	897	

(*a*) The variations between the figures entered in column 7 of Form No. 51 of last year and those in column 4 of this statemens has not been explained.

Area of Forest Tracts protected from Fire during 1905-1906—*cont.*

District.	Forest tracts.	Year in which protection commenced.	Area protected during the previous year.	During dry season of 1906.			Cost during the season.	Remarks.
				Area attempted to be protected.	Fires.	Actually protected.		
1	2	3	4	5	6	7	8	9
	Central Circle—cont.		ACS.	ACS.	ACS.	ACS.	RS.	
South Salem Division(*a*)—Special protection. Salem East range.	Shevaroys South Working Circle, new coupes 2—6.	1902 ..	2,451	2,323	664	1,659	127	
	Pannikaradu	1882 ..	1,929	..	..	..	..	
	Kurumbapatti old coupes 1—25.	1897 ..	4,000	..	..	..	..	
	Nagaramalai	1901 ..	684	284	..	284	22	
	Shevaroys East Working Circle, new coupes 1—5	1902 ..	1,900	2,359	236	2,123	66	
	Kapputhu old coupes ..	1897 ..	1,135	..	..	..	..	
	Godumalai old coupes 1—24.	1897 ..	2,100	2,100	..	2,100	60	
	Godumalai new coupes 1—2	1905 ..	220	476	..	476		
	Jalluthu coupes 1—2 ..	1905 ..	192	384	..	384	39	
	Pudupatti coupe 1—2 ..	1905 ..	252	312	..	312	34	
	Vellalagundam coupe 1 ..	1905 ..	184	184	..	184	..	
	Mallur coupe 1 ..	1906 ..	..	112	..	112	42	
	Bodamalai coupe 1 ..	1906 ..	..	80	..	80		
	Thirumanur coupe 1 ..	1906 ..	..	144	..	144	..	
	Kurichi coupe 1	1906 ..	..	128	..	128	28	
	Kuthimaduvu coupe 1 ..	1906 ..	..	120	..	120	28	
	Total, Salem East range ..	..	15,047	9,006	900	8,106	446	
Salem West range.	Vadugampatti specially protected block.	1881 ..	1,976	..	..	..	..	
	Morur specially protected block	1881 ..	799	..	..	..	..	
	Ammaneri specially protected block	1882 ..	252	..	..	..	..	
	Pilapalli Kombai specially protected block.	1882 ..	981	..	..	..	..	
	Shevaroys West Working Circle coupes 1—5.	1900 ..	1,502	1,502	90	1,412	75	
	Kanjeri specially protected block.	1882 ..	1,929	..	..	..	..	
	Shevaroys Central Working Circle including Sanyasimalai plantations.	1904 ..	480	653	91	562	91	
	Vanavasi Working Circle coupes 1—2.	1904 ..	294	294	.	294	37	
	Konur coupes 1—2 ..	1904 ..	373	373	..	373		
	Suriamalai coupes 1—3 ..	1904 ..	524	804	..	804		
	Lokur Working Circle Manakondamalai coupes 1—3.	1904 ..	1,398	1,398	..	1,398	34	
	Karuvattuparai specially protected block.	1883 ..	837	..	..	.	..	
	Total, Salem West range ..	..	11,345	5,024	181	4,843	237	
Atúr range.	Pattimedu old coupe ..	1902 ..	20	..	..	.	..	
	Do. new coupes 1—2.	1904 ..	125	258	..	258	..	
	Pannamadal new coupe ..	1902 ..	50	..	..	..	..	
	Do. old coupe ..	1902 ..	60	..	..	..	..	
	Nagalur old coupe .	1882 ..	60	..	..	..	..	
	Do. new coupe ..	1905 ..	138	138	..	138	10	
	Jadayagoundan coupe 1 ..	1905 ..	264	264	.	264	12	
	Mannur old coupes ..	1902 ..	136	..	..	..	..	
	Do. new coupe ..	1905-06 ..	..	165	..	165	5	
	Thumbal coupe 1 .. .	1906 ..	..	133	..	133	8	
	Movar coupe 1	1905 ..	171	171	..	171	..	
	Varagur coupe 1	1906 ..	..	435	..	435	..	
	Gengavalli coupe 1 ..	1905 ..	320	320	..	320	..	
	Total, Atúr, Range ..	..	1,344	1,884	..	1,884	35	

(*a*) The variation between the figures entered in column 7 of the return for 1904-1905 and those in column 4 of this statement has not been explained.

Area of Forest Tracts protected from Fire during 1905-1606—*cont.*

District.	Forest tracts.	Year in which protection commenced.	Area protected during the previous year.	During dry season of 1905.			Cost during the season.	Remarks.
				Area attempted to be protected.	Fires.	Actually protected.		
1	2	3	4	5	6	7	8	9
South Salem division—*cont.*	*Neutral Circle*—cont.		ACS.	ACS.	ACS.	ACS.	RS.	
Námakkal range.	Jambuthu coupes old and new.	1904-05 ..	* 308	408	..	408	22	* Included in the previous year's return under ordinary protection.
Harur North range.	Harur specially protected block.	1882 ..	1,029	1,029	..	1,029	73	
	Chitteri North Working Circle, coupes—							
	A series	1904 ..	1,355	451	..	451	50	
	B ,, ...	1902 ..	1,351	1,351	..	1,351	164	
	Harur Working Circle coupes—							
	A series	1904 ..	595	743	51	692	63	
	B ,, ...	1904 ..	405	510	1	509	44	
	C ,, ...	1904 ..	207	259	80	179	3	
	D ,, ...	1902 ..	431	431	3	428	29	
	E ,, ...	1902 ..	218	282	..	282	72	
	Ponniar Working Circle coupes.	1902 .	721	721	..	721	98	
	Total, Harur North Range.	..	6,312	5,777	135	5,642	* 596	
Harur South range.	Mallapuram	1882 ..	606	606	..	606	64	
	Shevaroys North Working Circle coupes 1—5.	1902 ..	2,413	3,119	..	3,119	108	
	Kouramalai Working Circle coupes 1—5.	1902 ..	1,641	2,051	..	2,051	94	
	Chitteri South-West Working Circle coupes 1—5.	1902 ..	1,807	2,258	..	2,258	78	
	Kouramalai old coupes ..	1898 ..	609	..	..	..	..	
	Kuriappa kombai specially protected block.	1897 ..	181	181	..	181	48	
	Mookanur specially protective block.	1901 ..	..	960	..	960	54	
	Total, Harur, South range.	..	7,257	9,175	..	9,175	446	
	Total South Salem, Special protection.	..	41,613	31,274	1,216	30,058	1,732	
General protection—Atur range.	Nagalur reserve ..	1905 ..	7,640	7,700	2,000	5,700	75	
	Mannur do. ..	..	9,158	9,239	..	9,239	31	
	Gangavalli do. ..	..	7,579	7,579	..	7,579	..	
	Total, South Salem, General.	..	24,377	24,518	2,000	22,518	106	
Trichinopoly, General protection	Total, South Salem, Special and General.	..	65,990	55,792	3,216	52,576	1,888	
Musiri range	Sengattupatti	1885-86 ..	3,000	4,192	31	4,161	..	
	Manmalai	1887-88 ..	6,000	7,686	..	7,686	..	
	T. Kanapadi	1887-88 ..	11,980	4,723	103	4,620	..	
	Karuppan Kadu Thittu ..	1887-88 ..	2,000	320	..	320	..	
	Mélúr	1885-86 ..	3,000	1,107	.	1,107	..	
	V. Kanapadi	1887-88 ..	9,998	3,795	..	3,795	..	
	Palamalai	1888-89 ..	10,000	6,624	..	6,624	..	
	Kaliammankoil Thittu ..	1889-90 ..	1,500	512	..	512	..	
	Kanapadi Kannimar sholai.	1889-90 ..	2,560	345	..	345	..	
	Total, Musiri range ..	..	50,038	29,304	134	29,170	..	
Perambalur range.	Manalodai	1885-86 ..	5,000	3,059	..	3,059	..	
	Sholamathi	1885-86 ..	6,000	3,584	..	3,584	..	
	Selaiyur	1889-90 ..	1,600	282	..	282	..	
	Palayur	1890-91 ..	9,993	3,443	..	3,443	..	
	Sengathur	1890-91 ..	10,000	1,325	..	1,325	..	
	Valayur	1900-01 ..	1,654	2,064	..	2,064	..	
	Arasadi Arivithi ..	1900-01 ..	3,541	3,546	..	3,546	..	
	Pulambadi No. I .. .	1900-01 ..	2,494	2,506	..	2,506	..	
	Total, Perambalur range.	..	40,282	19,809	..	19,809	..	
	Total, Trichinopoly ..	..	90,320	49,113	134	48,979	* 146	* The amount is paid to Malayalees on the Pachamalais with whom agreements have been entered into for keeping the lines clear and preserve the forests from fire.
	Total Central Circle, Special.	..	1,454,855	1,469,221	104,266	1,364,955	12,836	
	Total,, Central Circle, General.	..	485,372	447,086	3,734	443,352	2,601	
	Grand Total Central Circle.	..	1,940,227	1,916,307	108,000	1,808,307	15,437	

Area of Forest Tracts protected from Fire during 1905–1906—*cont.*

District.	Forest tracts.	Year in which protection commenced.	Area protected during the previous year.	During dry season of 1905.			Cost during the season.	Remarks.
				Area attempted to be protected.	Fires.	Actually protected.		
1	2	3	4	5	6	7	8	9
	Southern Circle.		ACS.	ACS.	ACS.	ACS.	RS.	
South Canara —Special protection.	Sarpanamane and Savantagudde.	1886–87 ..	1,390	1,390	..	1,390	10	
Coondapoor range.	Honnukodlu	1894–95 ..	576	576	..	576	43	
	Herur	1893–94 ..	2,875	2,880	..	2,880	117	
	Talaburave	1895–96 ..	610	610	..	610	22	
	Chittur	..	2,205	2,234	..	2,234	10	
	Kadike	..	2,796	2,800	2	2,798	22	
	Karnigadde	..	1,100	1,100	..	1,100	37	
	Gundaberru and Korakoppa.	1904–05 ..	393	522	..	522	42	
	Guruvankote	1905–06 ..	..	216	..	216		
	Total, Coondapoor ..	..	11,945	12,328	2	12,326	303	
Udipi range.	Chinkramale and extension	1885–86 ..	3,534	3,554	45	3,509	46	
	Tenkahole ..	1886–87 ..	1,958	2,038	..	2,038	37	
	Mavinakodlu	1895–96 ..	1,619	1,627	..	1,627	40	
	Someshwar timber coupes.	..	444	743	..	743	115	
	Jatkatmale	1897–98 ..	1,020	1,386	506	880	35	
	Durgamale	..	1,599	1,601	10	1,591	30	
	Total, Udipi ...	..	10,174	10,949	561	10,388	303	
Mangalore range.	Mujimale	1894–95 ..	3,188	3,200	8	3,192	35	
	Todar	1899–00 ..	545	552	..	552	30	
	Hosabettu		322	376	..	376	32	
	Naninjemale	1897–98 ..	786	336	300	536	25	
	Panamberi	1902–03 ..	616	640	41	599	36	
	Hurabe	1903–04 ..	543	555	60	495	35	
	Kodiamale	..	1,142	1,169	2	1,167	44	
	Total, Mangalore ..	..	7,142	7,328	411	6,917	237	
Uppinangadi range.	Dharmastala	1887–88 ..	3,772	4,992	239	4,753	81	
	Porkala	1902–03 ..	4,477	4,563	2	4,561	39	
	Mujur	1901–02 ..	9,682	10,157	15	10,142	101	
	Miyar	..	15,030	17,530	1,208	16,322	63	
	Kombar	..	137	1,817	20	1,797	49	
	Kidu	..	6,313	6,413	869	5,544	40	
	Konaje	..	6,080	6,630	567	6,063	57	
	Padnur	1902–03 ..	3,005	3,155	259	2,896	40	
	Kuntur	..	3,909	3,942	507	3,435	43	
	Nerankimale	..	3,379	3,898	91	3,807	40	
	Nidle	..	1,560	2,560	317	2,243	40	
	Shibaje	..	2,836	3,456	158	3,298	30	
	Kadimbilla	..	1,349	1,849	23	1,826	27	
	Porkala Coupes I and II.	1904–05 ..	..	1,997	40	1,957	36	
	Total, Uppinangadi ..	..	61,529	72,959	4,315	68,644	686	
Puttur range.	Parappa	1896–97 ..	640	2,560	6	2,554	79	
	Kanakamajalu	1899–00 ..	..	2,249	6	2,243	73	
	Pumale	1897–98 ..	3,752	..	..	..	..	
	Muliyar	1903–04 ..	1,716	2,116	7	2,109	74	
	Jalsur felled area ..	1900–01 ..	1,500	..	..	..	..	
	Kilarmale cardamom plantation.	1901–02 ..	31	100	..	100	25	
	Total Puttur ..	..	7,639	7,025	19	7,006	251	Transferred from the general protection.
	Total, South Canara, Special.	..	98,429	110,589	5,308	105,281	1,780	

Area of Forest Tracts protected from Fire during 1905-1906—*cont.*

District.	Forest tracts.	Year in which protection commenced.	Area protected during the previous year.	During dry season of 1906.			Cost during the season.	Remarks.
				Area attempted to be protected.	Fires.	Actually protected.		
1	2	3	4	5	6	7	8	9
	Southern Circle—cont.		ACS.	ACS.	ACS.	ACS.	RS.	
General protection. Coondapoor range.	Sabladi	1884-85 ..	208	208	2	206	*..	*Payments not made.
	Kasanakatte	1893-94 ..	250	254	..	254	15	
	Harkur	..	856	856	..	856	18	
	Darlegudde	..	192	192	..	192	8	
	Mudaregudde	..	448	448	..	448	15	
	Abbigudde	1897-98 ..	1,408	1,408	..	1,408	34	
	Baindur	..	5,969	6,069	..	6,069	18	
	Bakudi	1905-06 ..	..	106	..	106	9	
	Total, Coondapoor range.	..	9,331	9,541	2	9,539	117	
Udipi range.	Pilarkan	1883-84 ..	300	300	..	300	..	
	Manaje	1886-87 ..	422	422	..	422	11	
	Jarvathu	1894-95 ..	368	418	10	408	6	
	Hale Someshwar	1895-96 ..	1,844	1,894	68	1,826	10	
	Mensinakana	1896-97 ..	1,008	1,008	..	1,008	6	
	Matkalgudde	1897-98 ..	251	251	..	251	4	
	Total, Udipi range ..	..	4,193	4,293	78	4,215	37	
Uppinangadi range.	Shiradi extension ..	1902-03 ..	281	281	80	201	2	
Puttur range.	Virakambha	1897-98 ..	1,613	1,683	165	1,518	26	
	Kalanjimale	1898-99 ..	2,949	3,049	174	2,875	32	
	Total, Puttur range ..	..	4,562	4,732	339	4,393	58	
	Total, South Canara, General.	..	18,367	18,847	499	18,348	214	
	Total, South Canara, Special and General.	..	116,796	129,436	5,807	123,629	1,994	
							RS.	
	Add payments made for fire tracing cart camping places					17	49	
	Add payments of last year (1904-05) made during the current year					32	2,043	
	Deduct—Cash recoveries made during the year						8	
						Total ..	2,035	
North Malabar.	Begur reserve	1882-83 ..	14,116	15,366	236	15,130	1,264	
	Kuthirakotta reserve ..	1905-06 ..	*Nil.* ..	3,750	700	3,050		
	Kurichyat	1887-88 ..	56,052	18,054	230	17,824	1,729	
	Kuppadi	Do. ..		7,337	*Nil.* ..	7,337		
	Rampur	Do. ..		18,854	15,000	3,854		
	Mavanhalla and ponkuli.	Do. ..		12,736	470	12,266		
	Kanoth plantations ..	1894-95 ..	380	380	..	380	86	
	Total, North Malabar ..	..	70,548	76,477	16,636	59,841	3,079 +(a) 440	
South Malabar—Special protection. Nilambúr range.	Amarampalam reserve ..	1860-61 ..	468	468	..	468	53	
	Chathamborai do. ..	1872-73 ..	624	624	..	624	169	
	Teak plantations	1842-43 ..	3,509	3,516	..	3,516	588	
	Edacode natural forests (including Vellachipally).	1898-99 ..	(b) 3,263	3,263	..	3,263	198	
	Pokote natural forests ..	1904-05 ..	525	525	..	525	84	
	Arimbrakuthmalai ..	1899-1900.	322	322	..	322	48	
	Total, Nilambúr ..	..	(b) 8,711	8,718	..	8,718	1,140	
Amaram-palam range.	Karimpoya reserve ..	1884-85 ..	3,945	3,955	..	3,955	317	
	Nellikutha do. ..	1883-84 ..	1,824	1,824	..	1,824	134	
	New Amarampalam do. ..	1889-90 ..	75,000	75,000	..	75,000	235	
	Kariem, Muriem forests ..	1901-1902.	2,716	2,716	..	2,716	204	
	Total, Amarampalam ..	..	83,485	83,495	..	83,495	890	
Mannarghat range.	Panakadan reserve ..	1905-06 ..	(c) ..	1,104	..	1,104	120	
	Total, South Malabar, Special protection.	..	(c) 92,196	93,317	..	93,317	2,150 +(d) 32	

(a) Added as per Accountant-General's audited figures.
(b) The total area of Vellachipally block is 798 acres but only 398 acres were shown as protected by Range officer although the whole area was protected from fire during 1904-05 and 1905-06.
(c) Excludes areas of blocks transferred to South Coimbatore division.
(d) Represents amount spent towards the pay, etc., of fire patrols in respect of Chenat Nad and two other reserves transferred to the South Coimbatore division during the year.

Area of Forest Tracts protected from Fire during 1905-1906—*cont*

District	Forest tracts.	Year in which protection commenced.	Area protected during the previous year.	During dry season of 1906.			Cost during the season.	Remarks.
				Area attempted to be protected.	Fires.	Actually protected.		
1	2	3	4	5	6	7	8	9
	Southern Circle—cont.		ACS.	ACS.	ACS.	ACS.	RS.	
	Mudumalai teak plantations.	1883 ..	25	25	..	25	857	
	Benne teak plantation ..	1886 ..	40	40	..	40		
	Benne experimental block.	1893 ..	179	179	..	179		
	Tuckles of 1896 and 1899.	1899 ..	25	25	..	25		
	Margadi blocks Nos. II and III.	1888 ..	2,781	2,781	305	2,476		
	Margadi blocks No. IV V.	1898 ..	2,586	2,686	..	2,686		
	Moyar reserve forest (east).	1886 ..	3,990	4,000	1,280	2,720	534	
	Northern Haynad moyar plantations.	1883 ..	22	22	15	7		
	Sandalwood tracts in Sigur reserve forest.	1899 ..	600	600	..	600		
	Moyar west	1904 ..	8,976	8,976	..	8,976		
The Nilgiris—Special protection.	Chemmanguli	1888 ..	25	25	..	25	238	
	Aranakal		9	9	..	9		
	Governor's Shola No. I ..		25	25	..	25		
	Do. No. II ..		30	30	..	30		
	Andi		17	17	..	17		
	Upatti		12	12	..	12		
	Sheffield		25	25	..	25		
	Cully		17	17	..	17		
	Chowghat Cully		26	26	..	26		
	Madanad		8	8	..	8		
	Baikie		50	50	..	50		
	Aramby		430	430	..	430		
	Marlimund		11	11	..	11		
	Cairn Hill		405	405	..	405		
	Muttunad	1898 ..	80	80	..	80		
	Kullar reserve	1883 ..	919	919	..	919	436	
	Burliyar		178	178	..	178		
	Ghaut reserve		247	247	..	247		
	Coonoor peak		259	259	..	259		
	Bandishola		111	111	..	111		
	Sim's Park, block No. I.		48	48	..	48		
	Blackbridge		40	40	..	40		
	Little Rallia		10	10	..	10		
	Newman		35	35	..	35		
	Rallia		60	60	..	60		
	Longwood addition ..		350	350	..	350		
	Kunjapanai sandalwood area.	1898 ..	640	640	..	640		
	Bleak House	..	57	57	..	57		
	Springfield ..	1899 ..	30	30	..	30		
	Sim's Park, No. II		36	36	..	36		
	Total, The Nilgiris, Special.	..	23,414	23,524	1,600	21,924	2,065	
The Nilgiris—General protection.	Ulnad	1883 ..	839	839	..	839	120	
	Mukurty	1888 ..	1,324	1,324	..	1,324		
	Kurumund	1883 ..	1,552	1,552	..	1,552		
	Kundahs	1885 ..	42,505	42,505	..	42,505		
	Pichelbetta	1886 ..	1,668	1,668	..	1,668		
	Kadcoopa	1886 ..	1,622	1,622	..	1,622		
	Nanjanad	1893 ..	914	914	..	914		
	Vellingiri	1886 ..	391	391	..	391		
	Karpakan	1886 ..	643	643	..	643		
	Pykara	1893 ..	844	844	..	844		
	Yemmakal	1886 ..	465	465	..	465		
	Hiriashegai	1887 ..	3,026	3,026	..	3,026		
	Thaishola	1885 ..	1,551	1,551	..	1,551		
	Muthinad	1883 ..	340	340	..	340		
	Bikkapathi	1894 ..	1,945	1,945	..	1,945		
	Naduvattam	1885 ..	3,411	3,411	..	3,411		
	Ouchterlony	1886 ..	973	973	..	973		
	Nilgiri Peak	..	5,962	5,962	..	5,962		
	Chinna Coonoor	1894 ..	14	14	..	14		

Area of Forest Tracts protected from Fire during 1905–1906—*cont.*

District.	Forest tracts.	Year in which protection commenced.	Area protected during the previous year.	During dry season of 1906.			Cost during the season.	Remarks.
				Area attempted to be protected.	Fires.	Actually protected.		
1	2	3	4	5	6	7	8	9
	Southern Circle—cont.		ACS.	ACS.	ACS.	ACS.	RS.	
The Nilgiris —General protection —*cont.*	Kengal	..	14	14	..	14	103	
	Kodanad	1895	40	40	..	40		
	Huppatty	..	491	491	..	491		
	Kaguchi	..	475	475	..	475		
	Iduhatti	..	15	15	..	15		
	Bathrishola	1884	34	34	..	34		
	Dodabetta	..	758	758	..	758		
	Jakuntha	..	373	373	..	373		
	Honnathalai	..	320	320	..	320		
	Keriyada	..	276	276	..	276		
	Kengodu	..	451	451	..	451		
	Brooklands	..	177	177	..	177		
	Lovedale (East)	..	127	127	..	127		
	Benhope reserve	1885	75	75	..	75		
	Black bridge	1883	350	350	..	350		
	Devashola	1883	211	211	..	211		
	North and South	..	..	..	..	..		
	Jackal plantation	1902	5	5	..	5		
	Jackanarai	..	324	324	..	324		
	Total, The Nilgiris, General.	..	74,505	74,505	..	74,505	223	
	Total, The Nilgiris, Special and General.	..	97,919	98,029	1,600	96,429	2,288	
North Coimbatore.	Hassanur sandalwood compartment, Satyamangalam range.	1895-96	2,117	2,140	..	2,140	54	
	Geddasal Timber coupes 1 and 2, Satyamangalam range.	1902-03	4,654	4,704	1,323	3,381	105	
	Talamalai sandalwood compartment, Talamalai range.	1897-98	571	589	..	589	73	
	Badagalli sandalwood compartment, Talamalai range.	1896-97	685	685	..	685		
	Hugathurbetta block, Talamalai range.	1903-04	3,067	3,068	..	3,068	90	
	Kontibetta block, Talamalai range.	1905-06	..	8,960	..	8,960	57	
	Bailur sandalwood compartment, Kollegal range.	1895-96	3,034	3,034	12	3,022	172	
	Udaiyárpálaiyam, Kollegal range.	1895-96	1,308	1,321	50	1,271	113	
	Jadathadi, Kollegal range.	1895-96	233	235	..	235	66	
	Alluvarai block, Kollegal range.	1903-04	4,313	4,313	..	4,313	138	
	Arepalayam working circle.	1903-04	2,375	3,144	..	3,144	103	
	Gundal working circle.	1903-04	1,846	1,846	..	1,846	119	
	Chickalur working circle.	1903-04	..	2,990	..	2,990	30	
	Ugimam Oshatti block line.	1905-06	..	..	..	..	70	
	Fire tracing the Mysore Frontier 50 board Suliyamangalam range.	1905-06	..	..	..	..	74	
	Honnebarai Lokkanalli block line, Kollegal range.	1905-06	..	..	..	..	251	
	Doddasampagoi-Mysore boundary line, Kollegal range.	1905-06	..	..	..	..	235	
	Total, North Coimbatore, Special.	..	24,203	37,029	1,385	35,644	1,750	

Area of Forest Tracts protected from Fire during 1905-1906—*cont.*

District.	Forest tracts.	Year in which protection commenced.	Area protected during the previous year.	During dry season of 1905-1906.			Cost during the season.	Remarks.
				Area attempted to be protected.	Fires.	Actually protected.		
1	2	3	4	5	6	7	8	9
	Southern Circle—cont.		ACS.	ACS.	ACS.	ACS.	RS.	
Coimbatore, South—Special protection.								
Tunacadavu and Pollachi.	Tekadi leased forests and portion of Tunacadavu reserve No. I.	1882-83 ..	24,731	26,374	1,925	24,449	1,202	
Pollachi ..	Punachi reserve No. II ..	1888-89 ..	2,880	2,880	74	2,806	305	
Udamalpet ..	Dhali block ..	1883-84 ..	485	485	..	485	46	
Méttupálaiyam.	Singaratope working circle of Odanthorai block.	1891-92 ..	777	777	..	777	180	
Bolampatti.	Sholakarai.	1883-84.	1,157	1,157	1,000	157	1,015	
	Thenkaradu. Bolampatti block I.		363	393	6	387		
	Keerapatti. Bolampatti block I.		2,160	2,260	..	2,260		
	Oratti .. Bolampatti block I.		1,132	1,136	..	1,136		
	Kuchimalai. Bolampatti block I.		1,545	1,545	..	1,545		
	Noyel .. Bolampatti block II.		10,775	10,920	..	10,920		
	Velliyangiri. Bolampatti block II.		5,205	5,240	..	5,240		
	Varadimudi. Bolampatti block II.		7,960	7,960	64	7,896		
	Kanavarai .. Bolampatti block III and portions of blocks II and		13,880	13,880	647	13,233		
	Walayar reserve	1873-74 ..	3,017	3,017	10	3,007	346	
	Chenath Nair reserve* ..	1884-85 ..	15,203	15,203	90	15,113		
	Dhoni Nair reserve* ..	1898-99 ..	45	45	..	45		
	Pulliampalli tope* ..	1900-1901.	20	20	2	18		
	Tambirattipottai reserve*.	1891-92 ..	124	124	8	116		
	Total, South Coimbatore, Special.	..	91,459	93,416	3,826	89,590	3,094	
Coimbatore, South—General protection.								
Tunacadavu and Pollachi.	Tunacadavu reserve No. I.	..	255,918	256,847	..	255,357	..	
Pollachi ..	Punachi reserve No. II.	..			1,000			
Udamalpet ..	Amravati ,, ,, III.	..			..			
Tunacadavu, Pollachi and Udamalpet.	Anamalai ,, ,, IV.	..			490			
Bolampatti.	Bolampatti ,, ,, I.	..						
	,, ,, ,, II.	..						
	,, ,, ,, III.	..			6			
Bolampatti and Méttupálaiyam.	Tadagam ,, ,, IV.	..			25			
Méttupálaiyam.	Gopanari ,, ,, V.	..	74,743	74,791	..	74,760	..	
	Kempampalayam reserve No. VI.	..						
	Nellithorai reserve No. VII.	..						
Bolampatti..	Small Sholakarai reserve No. X.	..						
	Sankararayapuram reserve	..						
Méttupálaiyam.	Odanthorai reserve No. VIII.	..	5,335	5,335	..	5,335	..	
	Modur reserve No. IX ..	..	5,805	5,805	..	5,805	..	
	Nellimalai reserve ..	..	1,882	1,882	..	1,882	..	
Udamalpet..	Elayamuthur reserve ..	..	762	762	..	762	..	
Méttupálaiyam.	Dhali reserve	..	145	145	..	145	..	
	Avanashi palmyra tope ..	..	67	67	..	67	..	
	Total, South Coimbatore, General	..	344,657	345,634	1,521	344,113	..	
	Total South Coimbatore, Special and General ..	..	436,115	439,050	5,347	433,703	3,094	

* Transferred from South Malabar division.

Area of Forest Tracts protected from Fire during 1905-1906—*cont.*

Districts.	Forest tracts.	Year in which protection commenced.	Area protected during the previous year.	During dry season of 1905-1906.			Cost during the season.	Remarks.
				Area attempted to be protected.	Fires.	Actually protected.		
1	2	3	4	5	6	7	8	9
	Southern Circle—cont.		ACS.	ACS.	ACS.	ACS.	RS.	
Madura—Special protection.	Amburuvi	1886-87 ..	10,771	10,771	..	10,771	27	
	Shengalvaraiyar	1885-86 ..	4,608	4,608	..	4,608	39	
	Pambar	1883-84 ..	4,043	4,243	..	4,243	47	
	Adukkam	1885-86 ..	3,165	3,200	..	3,200	..	
	Poombarai Vilpatti valley.	1884-85 ..	17,594	17,594	..	17,594	121	
	Karungal Dhoni medu ..	1885-86 ..	1,664	1,964	..	1,964	..	
	Kookal	1886-87 ..	11,725	11,725	..	11,725	7	
	Kudraiyar	1886-87 ..	13,235	13,235	..	13,235	162	
	Perumalmalai							
	Thogavarai shola	1886-87..	7,386	7,386	300	7,086	..	
	Thalaiyar kadu							
	Kadamaravu							
	Oliyanuthu odai	1888-89 ..	3,802	3,802	..	3,802	..	
	Kundukadu	1902-1903.	332	332	..	332	..	
	Pannitulam	..	16	16	..	16	..	
	Gundar	..	438	438	..	438	..	
	Manavartan kanal ..	..	56	56 *	..	56	..	* Included in the Gundar valley Extension block.
	Kalarankavai kanal ..	..	52	52	..	52	..	
	Parappar	..	55	55	..	55	..	
	Gundan shola	..	257	257	..	257	..	
	Nettle shola	..	16	16	..	16	..	
	Gundar valley extension.	1904-1905.	5,740	5,860	200	5,660	479	
	Ampthill Downs reserve ..	1905-1906.	..	312,759	..	312,759	160	
	Perumalmalai shola ..	1902-1903.	347	347	..	347	32	
	Anagiri	1902-1903.	73	73	..	73	29	
	Tiger shola	1902-1903.	1,866	1,866	..	1,866	59	
	Glenfalls shola	1902-1903.	36	36		36	..	
	Gundar valley	1902-1903.	3,988	3,988		3,988	..	
	Talkadu kanal	1902-1903.	268	268		268	..	
	Kuttukal kadu	1902-1903.	36	36		36	..	
	Kilavarai	1902-1903.	36	36	..	36	846	
	Chandanur	1902-1903.	440	440		440	..	
	Pook kadu	1902-1903.	242	242		242	..	
	Swamikanal	1902-1903.	1,548	1,548		1,548	..	
	Kilavayal	1902-1903.	568	568		568	..	
	Alagar Hill	1882-1883.	16,838	16,838	23	16,815	496	
	Total, Madura, Special.	..	111,241	424,655	523	424,132	2,504 + 7 = 2,511	† Cost of putting out fire in Kunbag blocks.
Tinnevelly(*a*)—Special protection.								
Srivilliputtur.	Aiyanarkoil Working Circle.	1902 ..	4,031	4,722	355	4,367	216	
Sankaranayinarkoyil.	Karuppasamikoil Working Circle.	1902 ..	5,484	6,155	7	6,148	210	
Tenkasi ..	Kadayanallur Working Circle.	1902 ..	2,197	2,288	8	2,280	170	
	Kuttalam Working Circle.	1902 ..	2,584	2,644	..	2,644	30	
Ambasamudram.	Koilteri ,,	1902 ..	2,013	2,013	..	2,013	174	
	Padarmalai ,,	1902 ..	3,045	3,045	..	3,045	119	
Nangunéri ..	Kalakad ,,	1902 ..	2,918	2,918	265	2,653	286	
	Tirukurungudi ,,	1902 ..	2,538	2,538	1	2,537	105	
	Total Tinnevelly, Special.	..	24,810	26,323	636	25,687	1,310	
General protection—								
Srivilliputtur.	Ghât forests, V and V (*a*).	1902 ..	37,236	38,783	1,206	37,577	216	
Sankaranayinarkoyil.	,, IV and IV(*a*).	1902 ..	15,957	20,379	200	20,179	181	
Tenkasi ..	Ghât forests, III, III (*a*), (*b*), (*c*) (*c*), (*d*) and (e_2), extensions Nos. 1 to 3 of Kuttalam reserve.	1902 ..	20,412	21,502	731	20,771	279	

(*a*) The variations between the figures entered in column 7 of Form No. 51 for 1904-1905 and those in column 4 of this year's statement have not been explained.

Area of Forest Tracts protected from Fire during 1905-1906—*cont.*

Taluk.	Forest tracts.	Year in which protection commenced.	Area protected during the previous year.	During dry season of 1905-1906.			Cost during the season.	Remarks.
				Area attempted to be protected.	Fires.	Actually protected.		
1	2	3	4	5	6	7	8	9
Tinnevelly—General protection—*cont.*	*Southern Circle*—cont.		ACS.	ACS.	ACS.	ACS.	RS.	
Ambásamudram.	Ghât forests, II, II (*a*) and II (*b*).	1902 ..	102,076	104,740	2,992	101,748	501	
Nángunéri ..	Ghât forests, I (*a*), teak tract, Mahendragiri and Vannamutti.	1902 ..	45,207	45,981	858	45,123	204	
	Total, Tinnevelly, General.	..	220,888	231,385	5,987	225,398	1,381	
	Total, Tinnevelly, Special and General.	..	245,698	257,708	6,623	251,085	2,691 — (*a*)275	
	Total, Southern Circle, Special protection.	..	465,752	808,853	13,278	795,575	14,692	
	Total, Southern Circle General protection.	..	728,965	746,848	24,643	722,205	5,103	
	Grand Total, Southern Circle.	..	1,194,717	1,555,701	37,921	1,517,780	19,795	
	Total, Presidency, Special.	..	2,112,172	2,662,692	148,414	2,514,278	45,798	
	Total, Presidency, General.	..	1,918,518	1,950,872	130,916	1,819,956	15,368	
	Grand Total, Presidency.	..	4,030,690	4,613,564	279,330	4,334,234	61,166	

(*a*) Deducted as per Accountant-General's audited figures.

ANNUAL FORM No. 52.

Forest Department, Madras Presidency.

AREA closed and open to grazing during 1905–1906.

District.	Area in square miles.						
	Closed to all animals.		Closed to both goats and sheep.		Area closed to goats only.	Open to all animals.	Total forest area as per Form No. 44.
	Whole year.	Part of year.	Whole year.	Part of year.		Whole year.	
1	2	3	4	5	6	7	8
Northern Circle.	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.
Ganjám	9	..	..	..	598	..	538 60
Vizagapatam	6	..	..	..	298 47	..	298 47
Gódávari	11 75	..	271 ..	597 75	..	..	868 75
Kistna	36	12	..	..	183	85	280 ..
Guntúr	160	..	..	..	719	95	814 ..
Kurnool, East	182	..	..	..	1,479	..	1,479 ..
,, West	12	5	..	..	1,147	..	1,064 88
Bellary	55	..	..	..	600	87	624 63
Anantapur	59	..	1	..	509 19	..	510 19
Total, Northern Circle ..	605	17	272	672	5,599	267	6,475 352
Central Circle.							
Cuddapah	9	8	..	..	2,199	146	2,246 107
Nellore	38	..	28	..	629	82	739 ..
Chingleput	56	..	..	..	213	1	214
North Arcot	127	..	..	..	1,256	35	1,290 1
South ,, ...	16	..	..	..	663	..	663
North Salem	53	..	..	..	877	46	857 66
South ,, ...	48	..	..	..	732	..	728 4
Trichinopoly	16	..	..	..	315	..	313 2
Tanjore	3	1	..	..	19	..	20
Total, Central Circle ..	366	9	28	..	6,903	310	7,070 180
Southern Circle.							
South Canara	11	..	..	..	11	1,048	722 337
North Malabar	29	..	..	..	260	..	256 4
South ,, ...	258	..	..	..	258	2	194 66
The Nilgiris	6 10	..	..	..	414 85	..	414 85
North Coimbatore	79	12	15	..	1,614	..	1,368 273
South ,, ...	30	..	..	..	686	..	686
Madura	109	..	..	..	560	106	666
Tinnevelly	..	..	..	..	437	..	437
Total, Southern Circle ..	532	12	15	..	4,325	1,156	4,743 765
Grand Total, Presidency ..	1,503	38	315	672	16,827	1,733	19,585
Do. 1904–1905 ..	1,621	89	351	..	18,328	858	18,107 1,519

N.B.—The totals of columns 3, 4, 5, 6 and 7 equal column 8. The figures in column 6 includes the figures in column 2. Of the figures in brackets, the upper ones denote the area of reserved forests and the lower ones the area of reserved lands.

RETURN of Grazing in the State forests of the Madras Presidency during 1905–1906.

FORM

RETURN of Grazing in the State forests of the

Districts.	Grazing on payment.									
	At enhanced or special rates.					At full rates.				
	Buffaloes.	Cows and bullocks.	Goats and sheep.	Other animals.	Fees received.	Buffaloes.	Cows and bullocks.	Goats and sheep.	Other animals.	Fees received.
1	2	3	4	5	6	7	8	9	10	11
Northern Circle.					Rs.					Rs.
Ganjám	..	..	..	..	..	9,758	38,788	(s) 268	..	10,957
Vizagapatam	(a) 128	3,107	(s) 1,705	..	1,054	1,368	16,143	(s) 1,721	..	3,701
Gódávari	(b) 8,936 (c) 910	12,469 306	..	.. ..	7,592 797	..	..	..	..	..
Kistna	(i) 84 (i) 919	(f) 1,641 (k) 2,902 (l) 574 (m) 10,070	(s) (n) 450 (s) (o) 319 (g) (p) 390	..	6,715	7,700	27,535	(g) 8,393 (s) 19,263	..	10,643
Guntúr	(r) 308 (t) 3,056 (u) 80	(r) 1,095 (t) 41,516 ..	(s) (r) 4,990 g) (r) 746 (s) (t) 45,770 (g) (t) 17,107	..	30,875	9,892	32,380	(g) 21,535 (s) 81,245	..	19,416
Kurnool, East	(a) 7,984	(a) 94,532	(a) (s) 32,138	..	31,642	1,278	9,391	(s) 29,180	..	5,175
Kurnool, West	2,233	28,484	(s) 10,500	..	(v) 9,632	3,118	37,266	(s) 55,577	..	(v) 13,411
Bellary	..	..	..	..	..	18,556	76,727	(s) 203,020 (g) 54,463	..	45,484
Anantapur	..	..	..	..	..	3,927	49,926	(s) 94,134	..	19,659
Total, Northern Circle ..	24,638	196,696	(s) 95,872 (g) 18,243	..	88,307	55,597	288,156	(s) 484,408 (g) 84,391	..	128,446
Central Circle.										
Cuddapah	..	..	..	..	..	9,005	157,898	(s) 215,215 (g) 10,172	..	(y) 58,245
Nellore (*bb*)	..	63,604	(g) 25,930 (s) 131,365	..	38,804	9,627	..	..	..	3,610
Chingleput (*ee*)	..	..	..	..	..	1,126	18,231	(s) 20,733 (g) 146	..	(*dd*) 5,820
North Arcot	..	..	(g) 22	..	16	4,898	133,290	(s) 80,417	..	34,471
South Arcot	..	18,021	..	..	4,505	(*ff*) 50 4,079	(*ff*) 995 101,025	(s) 115,799	..	31,328
North Salem	(a) 1,619	(a) 91,603	(a) (s) 13,047 (g) (*gg*) 2,667	..	26,674	438	40,226	(s) 5,805	..	8,204
South Salem	..	(*ii*) 3,808	..	..	1,428	1,113	104,714	(s) 28,679	..	22,740
Trichinopoly	..	..	..	..	..	577	23,922	(s) 137,156	..	17,560
Tanjore	..	..	..	..	..	294	2,160	(s) 3,866	..	881
Total, Central Circle ..	1,619	177,036	(s) 144,412 (g) 28,619	..	71,427	31,207	582,461	(s) 607,170 (g) 10,318	..	182,859
Southern Circle.										
South Canara	..	..	..	..	..	4,413	27,951	..	..	6,896
North Malabar	..	..	..	..	..	3,454	7,325	..	..	2,669 (*kk*) 107
South Malabar	..	..	..	..	..	..	19	..	..	4
The Nilgiris (*mm*)	..	..	..	..	..	12,065	20,046	(s) 1,227	141	8,784
North Coimbatore	(a) 8,311	(a) 156,574	(s) (a) 35,197	20	47,704	154	7,146	(s) 9,456	..	2,284
South Coimbatore	(*oo*) 2	944	(s) 44	..	364	1,063	44,477	(s) 13,368	..	9,997
Madura	(a) 617	(a) 62,625	(a) (s) 30,041 (g) (*pp*) 45,126	835	31,210	..	..	..	..	..
Tinnevelly	..	..	..	..	..	541	17,748	(s) 29,915	..	6,335
Total, Southern Circle ..	8,930	220,143	(s) 65,282 (g) 45,126	855	79,278	21,690	124,712	(s) 53,966	141	37,076
Grand Total, Presidency.	35,187	593,875	(s) 305,566 (g) 91,988	855	2,39,012	108,494	995,329	(s) 1,145,544 (g) 94,709	141	348,381

(a) Enhanced rates were levied in the district at As. 8 as per buffalo, As. 4 as per bull or cow and As. 2 as per sheep.
(b) Do. do. As. 8 as per buffalo and As. 4 per bull or cow.
(c) Do. do. As. 12 as per buffalo and As. 6 per bull or cow.
(d) Privileged rates were levied in the district at As. 4 per buffalo, As. 2 per bull or cow and As. 1-6 per sheep or goat.
(e) Privileged rates As. 2 per buffalo, Anna 1 per cow or bull, and 6 pies per sheep or goat.
(f) Anna 1 per buffalo, Anna 1 per cow or bull.
(g) Goats.
(h) Sale-proceeds of grass.
(i) 84 buffaloes at Re. 1 and 919 buffaloes at As. 8.
(j) Re. 1 per bull.
(k) As. 8 per bull.
(l) As. 6 per bull.
(m) As. 4 per bull.
(n) As. 4 per sheep.
(o) As. 2 per sheep.
(p) As. 8 per goat.
(q) As. 4 per buffalo and As. 2 per bull or cow.
(r) As. 8 per buffalo, As. 4 per cow or bull and As. 2 per sheep or goat.
(s) Sheep.
(t) As. 12 per buffalo, As. 6 per bull or cow and As. 8 per sheep or goat.
(u) Plough bullocks at Re. 1 each.
(v) Includes sale-proceeds of fodder grass.
(w) Cows and bullocks at As. 1-6 each.
(x) Sheep at 9 pies per head.
(y) The fees sanctioned at the full rates, viz., As. 6 per buffalo, As. 3 per bull or cow and As. 1-6 per sheep or goat amount to only Rs. 40,026. It is not stated how the Collector's figure, viz., Rs. 58,245, has been arrived at.
(z) 621 cows at As. 1-6 per head and 100 cows at Anna 1 per head.

No. 53.

Madras Presidency during 1905–1906.

Number of animals.						Grazing free. Number of animals.										Grand total of value at full rates.
At privileged rates.						By right under settlement.					During pleasure of Government or otherwise than under settlement.					
Buffaloes.	Cows and bullocks.	Goats and sheep.	Other animals.	Fees received. Actual.	Fees received. Value at full rates.	Buffaloes.	Cows and bullocks.	Goats and sheep.	Other animals.	Value of fees at full rates.	Buffaloes.	Cows and bullocks.	Goats and sheep.	Other animals.	Value of fees at full rates.	Total value of fees at full rates.	
12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
				Rs.	Rs.					Rs.					Rs.	Rs.	Rs.
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	10,957
..	..	..	..	..	..	..	200	..	..	37	..	200	..	..	38	75	4,830
(*d*) 2,108	(*d*) 12,737	(*s*) (*d*) 178	..	2,136	12,276	..	..	..	..	..	26	1,663	..	..	321	321	20,986
(*e*) 4,708	(*e*) 22,026	(*e*) (*e*) 6,707	..	2,174													
(*f*) 496	(*f*) 12,642	..	..	821													
(*g*) 2,050	(*g*) 10,042	..	..	1,768	2,651	..	..	..	..	..	..	..	..	..	..	..	20,009
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	50,291
..	..	..	..	..	..	..	994	2,202	..	393	..	..	..	..	..	393	37,210
..	..	..	..	..	..	..	1,491	3,303	..	589	..	..	..	..	..	589	23,632
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	45,484
..	(*ee*) 16,945	(*ee*) (*s*) 1,355	..	1,652	3,304	..	..	..	..	..	..	..	..	..	..	..	22,963
9,362	74,592	(*s*) 8,240	..	8,551	18,231	..	2,685	5,505	..	1,019	26	1,863	..	..	359	1,378	2,36,362
..	(*s*) 721	(*aa*) (*s*) 1,200	..	115	248	..	1,900	..	..	356	..	..	..	..	..	356	58,849
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	42,414
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	(*cc*) 6,064
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	5,820
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	34,487
..	..	..	..	..	..	..	..	..	..	..	679	2,947	35	..	810	810	36,643
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	34,878
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	(*hh*) 529
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	24,168
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	17,560
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	881
																	(*ii*) 5
	721	(*s*) 1,200	..	115	248	..	1,900	..	..	356	679	2,947	35	..	810	1,166	2,62,298
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	6,896
} ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2,776
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	4
..	1,744	..	..	90	327	..	..	..	..	..	..	..	..	..	..	..	(*ll*) 60
74	555	117	..	72	144	..	..	..	..	..	..	..	..	..	..	..	9,111
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	50,132
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	10,353
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	31,210
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	6,335
																	(*qq*) 55
74	2,299	(*s*) 117	..	162	471	..	..	..	..	..	..	..	..	..	..	..	1,16,940
9,436	77,412	(*s*) 9,557	..	8,828	18,950	..	4,585	5,505	..	1,375	705	4,810	35	..	1,169	2,544	6,15,600

(*aa*) 850 sheep at 9 pies and 350 sheep at 6 pies.
(*bb*) Bullocks at As. 4, sheep at As. 2 and goats at As. 4.
(*cc*) Represent value of grass chits and kancha rent.
(*dd*) Fees calculated at full rates amount to Rs. 5,797 and not Rs. 5,820. It is not explained how the latter figure was arrived at.
(*ee*) Free-grazing was allowed in State forests on account of draught. The Collector states that the number of unlicensed cattle grazed within the period is not ascertainable.
(*ff*) Buffaloe calves at As. 3 and cow calves at As. 1-6 per head.
(*gg*) Goats at As. 8 per head.
(*hh*) 529 Pen licenses at Re. 1.
(*ii*) Cows at As. 6 per head.
(*jj*) Fees received for penning licenses.
(*kk*) Fees realized by lease of pasture lands.
(*ll*) Fees realized by sale of fodder grass.
(*mm*) Enhanced rates of As. 8 were levied on foreign cows, bulls, horses and asses; Re. 1 on foreign buffaloes and As. 4 on foreign sheep and the usual full rates on ordinary cattle, etc.; daily rate for the cattle of the Mysore-Nomadic tribes at As. 3 per 100 diem.
(*nn*) Enhanced rates As. 12 per buffalo, As. 6 per bull or cow and As. 8 per sheep for grazing in block No. II of Bolampatti range as per Board's Proceedings, Forest Mis. No. 524, dated 17th May 1905.
(*pp*) As. 4 per head.
(*qq*) Penning fees collected.

Return of Grazing in the State forests of the

Districts.	Grazing on payment. Number of animals.									
	At enhanced or special rates.					At full rates.				
	Buffaloes.	Cows and bullocks.	Goats and sheep.	Other animals.	Fees received.	Buffaloes.	Cows and bullocks.	Goats and sheep.	Other animals.	Fees received.
1	2	3	4	5	6	7	8	9	10	11
										Reserved and
Northern Circle.					Rs.					Rs.
Unreserved lands—										
Gódávari	(*a*)4,427 (*b*) 53	(*a*) 8,644 (*b*) 94	..	..	4,375 75	..	..	(*s*) 1,535 (*g*) 1,417	..	285
Bellary	..	..	..	..	..	82	1,052	..	..	228
Total, Northern Circle ..	4,480	8,738	..	..	4,450	82	1,052	2,952	..	513
Southern Circle.										
Reserved lands—										
South Canara	..	..	..	..	..	281	1,953	..	..	472
The Nilgiris	..	157	..	..	78	..	..	..	..	..
North Coimbatore	(*c*)1,127	32,019	(*s*) 903	..	8,681	..	..	..	..	..
Total, Southern Circle ..	1,127	32,176	(*s*) 903	..	8,759	281	1,953	..	..	472
Northern Circle.										
Reserved forests	24,638	196,696	(*s*)95,872 (*g*)18,243 ..	..	88,307	55,597	288,156	(*s*)484,408 (*g*)84,391 ..	..	128,446
Reserved lands	..	..	..	..	..	..	..	..	..	..
Unreserved lands	4,480	8,738	..	..	4,450	82	1,052	(*s*) 1,535 (*g*) 1,417	..	513
Total, Northern Circle ..	29,118	205,434	(*s*)95,872 (*g*)18,243 ..	..	92,757	55,679	289,208	(*s*)485,943 (*g*)85,808 55,577	..	128,959
Central Circle.										
Reserved forests	1,619	177,036	(*s*)144,412 (*g*)28,619	..	71,427	31,207	582,461	(*s*)607,170 (*g*)10,318	..	182,859
Southern Circle.										
Reserved forests	8,930	220,143	(*s*) 65,282 (*g*)45,126	855	79,278	21,690	124,712	(*s*)53,966	141	37,076
Reserved lands	1,127	32,176	(*s*) 903	..	8,759	281	1,953	..	..	472
Total, Southern Circle ..	10,057	252,319	(*s*)66,185 (*g*)45,126	855	88,037	21,971	126,665	(*s*)53,966	141	37,548
Grand Total, Presidency ..	40,794	634,789	(*s*)306,469 (*g*)91,988 ..	855	252,221	108,857	998,334	(*s*)1,147,079 (*g*)96,126 ..	141	349,366

(*a*) Enhanced rates at As. 8 per buffalo, and As. 4 per cow or bullock.
(*b*) Do. As. 12 do. and As. 6 do.
(*c*) Do. As. 8 do. and As. 4 per bull or cow and As. 2 per sheep or goat.
(*s*) Sheep.
(*g*) Goats.

Madras Presidency during 1905–1906—*cont.*

At privileged rates.						Grazing free. Number of animals.											Grand total of value at full rates.
				Fees received.		By right under settlement.					During pleasure of Government or otherwise than under settlement.						
Buffaloes.	Cows and bullocks.	Goats and sheep.	Other animals.	Actual.	Value at full rates.	Buffaloes.	Cows and bullocks.	Goats and sheep.	Other animals.	Value of fees at full rates.	Buffaloes.	Cows and bullocks.	Goats and sheep.	Other animals.	Value of fees at full rates.	Total value of fees at full rates.	
12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
Lands.																	
				Rs.	Rs.					Rs.					Rs.	Rs.	Rs.
(*c*) 3	(*c*) 55	..	..	8	11	..	..	..	..	..	..	..	..	..	..	..	4,746 (*d*) 959
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	228
3	55	..	..	8	11	..	..	..	..	..	..	..	..	..	..	..	5,933
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	472
..	..	..	..	..	..	(*e*) 2,152	..	..	..	807	..	..	..	..	..	..	885
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	8,681
..	..	..	..	..	..	2,152	..	..	..	807	..	..	..	..	..	..	10,038
9,362	74,392	(*e*) 8,240	..	8,551	18,231	..	2,685	5,505	..	1,019	26	1,863	..	..	359	1,378	2,36,362
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
3	55	..	..	8	11	..	..	..	..	..	..	..	..	..	..	..	5,933
9,365	74,447	(*e*) 8,240	..	8,559	18,242	..	2,685	5,505	..	1,019	26	1,863	..	..	359	1,378	2,42,295
..	721	(*e*) 1,200	..	115	248	..	1,900	..	..	356	679	2,947	35	..	810	1,166	2,62,298
74	2,299	(*e*) 117	..	162	471	..	..	..	..	..	..	..	..	..	..	..	1,16,940
..	..	..	..	..	..	2,152	..	..	..	807	..	..	..	..	..	..	10,038
74	2,299	(*e*) 117	..	162	471	2,152	..	..	..	807	..	..	..	..	..	..	1,26,978
9,439	77,467	(*e*) 9,557	..	8,836	18,961	2,152	4,585	5,505	..	2,182	705	4,810	35	..	1,169	2,544	6,31,571

(*c*) Privileged rates at As. 4 per buffalo and As. 2 per bull or cow.
(*d*) Sale-proceeds of pasture.
(*e*) Toda cattle allowed free grazing in Todapetta lands.

Abstract of animals licensed to graze on payment.

Circle.	Buffaloes.	Bull Calves.	Sheep.	Goats.	Other animals.	Total.
Northern	94,162	569,089	590,055	104,051	..	1,357,357
Central	32,826	760,218	752,782	38,937	..	1,584,763
Southern	32,102	381,283	120,268	45,126	996	579,775
Total ..	159,090	1,710,590	1,463,105	188,114	996	3,521,895

ANNUAL FORM No. 54.

Forest Department, Madras Presidency.

ARTIFICIAL reproduction, 1905–1906.

District.	Area in acres.				Expenditure during the year.		Total expenditure from commencement.		Revenue during the year.	Total revenue from date of creation of plantation.
	On 1st July 1905.	Added during the year.	Excluded during the year.	Area on 30th June 1906.	Creation.	Upkeep.	Creation.	Upkeep.		
1	2	3	4	5	6	7	8	9	10	11
A. Regular Plantations.										
					RS.	RS.	RS.	RS.	RS.	RS.
Northern Circle. — Ganjám	348	..	..	348	..	1,317	33,900	5,559	2,976	8,569
Vizagapatam	78	..	..	78	75	6	..	..	365	..
Gódávari	564	81	13	632	3,667	1,607	26,973	5,850	7,645	14,806
Kistna	1,038	47	58	1,027	1,411	1,281	7,475	12,744	8,932	21,852
Guntúr	1,201	266	30	1,337	1,981	..	8,874	1,391	2,867	3,919
Kurnool, East	..	16	..	16	384	54	384	54	..	..
Do. West	..	288	..	288	12,949	..	12,949	..	..	..
Total, Northern Circle ..	3,229	598	101	3,726	20,467	4,265	90,555	25,598	22,785	49,146
Central Circle. — Cuddapah	2,100	..	..	2,100	..	430	..	..	150	..
Nellore	4,907	..	..	4,907	8,159	..	63,981	..	20,960	1,85,154
Chingleput	222	..	..	222	..	87	..	2,148	1,698	6,703
North Arcot	2,629	91	114	2,606	2,147	863	..	1,21,945	12,827	..
South do.	1,041	..	..	1,041	1,802	472	19,901	192	8,813	75,076
North Salem	897	..	374	523	81	314	81	47,970	487	5,158
South do.	660	..	..	660	11	38	43,366	77	395	7,292
Tanjore	539	..	..	539	69	1,372	..	..	2,802	..
Total, Central Circle ..	12,995	91	488	12,598	12,269	3,626	1,27,329	1,72,332	48,132	2,79,383
Southern Circle. — South Canara	122	..	..	122	49	90	2,263	5,154	1,411	12,659
North Malabar	700	20	..	720	3,743	989	13,289	10,212	..	..
South do.	5,419	150	20	5,549	4,109	4,172	5,15,472	4,89,242	33,857	9,58,806
The Nilgiris	1,645	..	..	1,645	..	14,822	..	..	17,252	..
South Coimbatore	30	..	..	30	..	50	6,228	..	..	..
Madura	275	..	..	275	..	..	..	..	..	..
Tinnevelly	542	110	..	652	441	745	1,179	1,130	..	..
Total, Southern Circle ..	8,733	280	20	8,993	8,342	20,868	5,38,431	5,05,738	52,520	9,71,465
Grand Total, Regular Plantations, Presidency.	24,957	969	609	25,317	41,078	28,759	7,56,315	7,03,668	1,23,437	12,99,994
B. Taungya.										
Northern Circle. — Gódávari	50	25	..	75	209	144	1,071	360	98	782
Total, Northern Circle ..	50	25	..	75	209	144	1,071	360	98	782
Central Circle. — Trichinopoly	595	..	..	595	65	..	..	..	1,342	..
Total, Central Circle ..	595	..	..	595	65	..	..	..	1,342	..
Southern Circle. — North Malabar	56	..	..	56	..	..	..	10,056	215	1,800
Tinnevelly	44	..	..	44	..	..	..	..	..	..
Total, Southern Circle ..	100	..	..	100	..	..	..	10,056	215	1,800
Grand Total, Taungya, Presidency.	746	25	..	770	274	144	1,071	10,416	1,655	2,582
C. Cultural Operations.										
Northern Circle. — Gódávari	560	242	..	802	269	72	702	247	..	..
Kistna	37	112	..	149	176	408	1,446	2,144	299	548
Guntúr	1	..	..	1	30	..	30	..	..	..
Kurnool, East	..	463	..	463	1,920	121	1,920	121	..	..
Bellary	153	..	..	153	..	815	7,279	5,947	50	398
Anantapur	..	..	..	..	2,203	..	5,697	..	..	274
Total, Northern Circle ..	751	817	..	1,568	4,598	1,416	17,074	8,459	349	1,220

Artificial reproduction, 1905–1906—*cont.*

District.		Area in acres.				Expenditure during the year		Total expenditure from commencement.		Revenue during the year.	Total revenue from date of operation of plantation.
		On 1st July 1905.	Added during the year.	Excluded during the year.	Area on 30th June 1906.	Creation.	Upkeep.	Creation.	Upkeep.		
1		2	3	4	5	6	7	8	9	10	11
						C. Cultural Operations—cont.					
						Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Central Circle.	Cuddapah	597	..	..	597	..	50	..	..	36	..
	Nellore	1,354	394	398	1,350	477	..	1,494	..	..	..
	Chingleput	255	800	.	1,055	..	74	..	120	..	..
	North Arcot	952	64	20	996	9	170	12	181	15	..
	South do.	..		..	..	85	..	85	..	..	..
	North Salem	..	..	..	..	28	217	138	217	2	2
	South do.	68	15	20	63	286	143	1,250	146	..	..
	Trichinopoly	91	1	..	92	297	778	..	..	1,383	..
	Tanjore	1,161	..	..	1,161	6	..	..	..	..	..
	Total, Central Circle	4,478	1,274	438	5,314	1,188	1,432	2,979	664	1,436	2
Southern Circle.	South Canara	2	..	..	2	78	..	78	..	..	..
	North Malabar	109	30	..	139	13	..	..	4,528	..	..
	South do.	44	28	..	72	512	112	512	112	..	..
	The Nilgiris	488	..	..	488	..	1,023	..	..	..	..
	South Coimbatore	50	15	..	65	78	..	78	..	..	..
	Madura	70	70	..	140	127	..	297	..	..	..
	Tinnevelly	8	50	..	58	66	..	71	..	..	..
	Total, Southern Circle	771	193	..	964	874	1,135	1,036	4,640	..	..
	Total, Cultural Operations, Presidency	6,000	2,284	438	7,846	6,660	3,983	21,089	13,763	1,785	1,222
	Total, Northern Circle, Regular plantations, Taungya plantation and cultural operations	4,030	1,440	101	5,369	25,274	5,825	1,08,700	34,417	23,232	51,148
	Total, Central Circle, Regular plantations, Taungya plantation and cultural operations	18,068	1,365	926	18,507	13,522	5,058	1,30,308	1,72,996	50,910	2,79,385
	Total, Southern Circle, Regular plantations, Taungya plantation and cultural operations	9,604	473	20	10,057	9,216	22,003	5,39,467	5,20,434	52,735	9,73,265
	Grand Total, Presidency	31,702	3,278	1,047	33,933	48,012	32,886	7,78,475	7,27,847	1,26,877	13,03,798

FORM

Forest Department

OUTTURN (in cubic feet solid) of Timber and Fuel and of Bamboo

District.	Timber.						
	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Government.	Purchasers.
1	2	3	4	5	6	7	8
NORTHERN CIRCLE.	C. FT.	C. FT.	C. FT.		C. FT.	C. FT.	C. FT.
Ganjám.							
Reserved forests—							
Sal	944	65,844	..	..	66,788	..	..
Miscellaneous	7,793	98,540	6,350	..	112,683	..	..
Total ..	8,737	164,384	6,350	..	179,471	11,395	379,096
Reserved lands—							
Sal	79	..	..	..	79	..	..
Miscellaneous	86	14	..	..	100	..	..
Total ..	165	14	..	..	179	..	..
Unreserved lands—							
Sal	1,832	60,350	..	..	62,182	..	..
Miscellaneous	50	187,700	235	..	187,985	..	..
Total ..	1,882	248,050	235	..	250,167	..	27,097
Total Ganjám ..	10,784	412,448	6,585	..	429,817	11,395	406,193
Vizagapatam.							
Reserved forests—							
Miscellaneous	1,843	61,022	..	..	62,865	* 185,429	122,738
Unreserved lands—							
Miscellaneous	..	6,735	..	..	6,735	..	20,293
Total Vizagapatam ..	1,843	67,757	..	..	69,600	185,429	143,031
Gódávari.							
Reserved forests—							
Teak (*Tectona grandis*) ..	801	9,462	..	..	10,263	..	..
Vengai (*Pterocarpus marsupium*)	..	10	..	..	10	..	..
Miscellaneous	4	53,999	..	..	54,003	..	..
Total ..	805	63,471	..	..	64,276	330,689	21,740
Unreserved lands—							
Teak	67	894	..	..	961	..	..
Vengai (*Pterocarpus marsupium*)	510	976	..	..	1,486	..	..
Maddi (*Terminalia tomentosa*)	445	1,405	..	..	1,850	..	..
Miscellaneous	705	146,340	1,511	..	148,556	..	..
Total ..	1,727	149,615	1,511	..	152,853	6,392	225,174
Total Gódávari ..	2,532	213,086	1,511	..	217,129	337,081	246,914
Kistna.							
Reserved forests—							
Miscellaneous	391	6,842	3,680	..	10,913	178,420	† 168,632
Unreserved lands—							
Miscellaneous	..	46,755	5,690	..	52,445	25,205	765,508
Total Kistna ..	391	53,597	9,370	..	63,358	203,625	934,140
Guntur.							
Reserved forest—							
Miscellaneous	7,028	8,623	..	..	15,651	‡ 242,465	141,113
Unreserved lands—							
Miscellaneous	11,410	58,054	7,720	..	77,184	18,160	58,239
Total Guntúr ..	18,438	66,677	7,720	..	92,835	260,625	199,352

* Excludes 9,305 kunchams of charcoal the equivalent in cubic feet of which has not been reported by the Collector.
† Includes 28 cubic feet of charcoal.
‡ Includes 96 cubic feet of charcoal.

No. 55.

Madras Presidency.

(in number) during the year 1905–1906, and Agency of Exploitation.

Fuel.			Total.	Bamboos.				
Free-grantees.	Right-holders.	Total.	Outturn.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.
9	10	11	12	13	14	15	16	17
C. FT.	C. FT.	C. FT.	C. FT.	NO.	NO.	NO.	NO.	NO.
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	390,491	569,962	262,527	1,476,936	58,675	..	1,798,138
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	179	..	1,830	..	..	1,830
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	27,097	277,264	..	42,540	..	..	42,540
..	..	417,588	847,405	262,527	1,521,306	58,675	..	1,842,508
606	..	308,773	371,638	660	1,667,420	8,287		1,676,367
..	..	20,293	27,028	..	12,970	..	..	12,970
606	..	329,066	398,666	660	1,680,390	8,287	..	1,689,337
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	352,429	416,705	600	3,494,963	..	..	3,495,563
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	231,566	384,419	2,570	6,090,314	..	..	6,092,884
..	..	583,995	801,124	3,170	9,585,277	..	..	9,588,447
..	..	347,052	357,965	..	392,196	500	..	392,696
..	..	790,713	843,158	..	..	..	..	..
..	..	1,137,765	1,201,123	..	392,196	500	..	392,696
..	..	383,578	399,229	..	..	..	..	..
..	..	76,399	153,583	..	..	..	..	..
..	..	459,977	552,812	..	..	..	..	..

Outturn (in cubic feet solid) of Timber and Fuel and of Bamboos

District.	Timber.						
	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Government.	Purchasers.
1	2	3	4	5	6	7	8
NORTHERN CIRCLE—*cont.*	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.
Kurnool, East.							
Reserved forests—							
Teak	2,344	..	..	..	2,344	..	..
Vengai	2,968	..	..	..	2,968	..	..
Maddi	2,102	..	..	..	2,102	..	..
Miscellaneous	10,980	5,322	1,800	524	18,626	..	..
Total ..	18,394	5,322	1,800	524	26,040	* 1,086,511	19,259
Unreserved lands—							
Miscellaneous	..	..	..	..	..	..	38,392
Total, Kurnool East ..	18,394	5,322	1,800	524	26,040	1,086,511	57,651
Kurnool, West.							
Reserved forests—							
Teak	392	..	..	..	392	..	..
Vengai	5,268	..	..	..	5,268	..	..
Maddi	1,258	..	..	..	1,258	..	..
Miscellaneous	16,690	98,911	4,110	787	120,498	..	..
Total ..	23,608	98,911	4,110	787	127,416	1,350,200	..
Unreserved lands—							
Miscellaneous	..	26,555	..	..	26,555	5,236	57,153
Total, Kurnool West ..	23,608	125,466	4,110	787	153,971	1,355,436	57,153
Bellary.							
Reserved forests—							
Miscellaneous	18,493	30,400	861	..	49,754	364,408	377,922
Reserved lands including leased forests—							
Teak	1,017	..	..	..	1,017	..	..
Miscellaneous	1,404	53,510	..	..	54,914	..	..
Total ..	2,421	53,510	..	..	55,931	86,100	10,749
Unreserved lands—							
Miscellaneous	515	26,041	..	..	26,556	41,900	30,409
Total, Bellary ..	21,429	109,951	861	..	132,241	492,403	419,080
Anantapur.							
Reserved forests—							
Miscellaneous	†701	7,935	..	..	8,636	119,245	29,835
Unreserved lands—							
Miscellaneous	145	17,324	..	..	17,469	141,763	108,007
Total, Anantapur ..	846	25,259	..	..	26,105	261,008	137,842
CENTRAL CIRCLE.							
Cuddapah.							
Reserved forests—							
Miscellaneous	13,639	84,422	16,740	..	114,801	171,761	287,850
Unreserved lands—							
Miscellaneous	..	29,702	..	..	29,702	..	213,265
Total, Cuddapah ..	13,639	114,124	16,740	..	144,503	171,761	501,115
Nellore.							
Reserved forests—							
Miscellaneous	2,715	1,373	..	..	4,088	607,497	446,669
Unreserved lands—							
Miscellaneous	81	15,056	14,140	..	29,277	..	14,442
Total, Nellore ..	2,796	16,429	14,140	..	33,365	607,497	461,111

* Includes 2,852 cubic feet of charcoal.

† Excludes 4,582 pieces of vasalu, tantulu, rafters, posts, poles, beams, etc., the cubical contents of which has not been reported by the Collector.

(in number) during the year 1905-1906, and Agency of Exploitation—*cont.*

Fuel.			Total.	Bamboos.				
Free-grantees.	Right-holders.	Total.	Outturn.	Government.	Purchasers.	Free-grantees.	Right-holders	Total.
9	10	11	12	13	14	15	16	17
	C. FT.	C. FT.	C. FT.	NO.	NO.	NO.	NO.	NO.
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	103,004	1,208,774	1,234,814	564,447	18,400	11,250	8,196	602,293
..	..	38,392	38,392	..	..	..	..	..
..	103,004	1,247,166	1,273,206	564,447	18,400	11,250	8,196	602,293
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	154,506	1,504,706	1,632,122	1,450,024	50	53,125	12,293	1,515,492
..	..	62,389	88,944	..	..	..	..	..
..	154,506	1,567,095	1,721,066	1,450,024	50	53,125	12,293	1,515,492
..	..	742,325	792,079	..	5,846	1,240	..	7,086
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	96,849	152,780	600	127,837	..	..	128,437
..	..	72,309	98,865	..	..	..	..	..
..	..	911,483	1,043,724	600	133,683	1,240	..	135,523
..	..	149,080	157,716	28,522	5,328	..	..	33,850
..	..	249,770	267,239	..	..	..	..	..
..	..	398,850	424,955	28,522	5,328	..	..	33,850
..	..	459,611	574,412	1,100	1,228,430	80,700	..	1,310,230
..	..	213,265	242,967	..	..	..	..	..
..	..	672,876	817,379	1,100	1,228,430	80,700	..	1,310,230
..	..	1,054,166	1,058,254	..	437	..	..	437
..	..	14,442	43,719	..	..	..	..	..
..	..	1,068,608	1,101,973	..	437	..	..	437

Outturn (in cubic feet solid) of Timber and Fuel and of Bamboos

District.	Timber.						
	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Government.	Purchasers.
1	2	3	4	5	6	7	8
CENTRAL CIRCLE—*cont.*	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.
Chingleput.							
Reserved forests—							
Miscellaneous	..	349	..	..	349	* 40,754	46,686
Unreserved lands—							
Miscellaneous	40	17,769	11,360	..	29,169	9,284	31,773
Total, Chingleput ..	40	18,118	11,360	..	29,518	50,038	78,459
North Arcot.							
Reserved forests—							
Sandalwood	2,214	..	..	..	2,214	..	..
Red sanders (*Pterocarpus santalinus*)	916	..	..	..	916	..	..
Miscellaneous	† 4,142	143	..	..	4,285	..	..
Total ..	7,272	143	..	..	7,415	543,649	108,632
Unreserved lands—							
Miscellaneous	..	122,357	4,215	..	126,572	..	700,203
Total, North Arcot ..	7,272	122,500	4,215	..	133,987	543,649	808,835
South Arcot.							
Reserved forests—							
Miscellaneous	449	2,980	..	..	3,429	76,949	284,455
Unreserved lands—							
Miscellaneous	..	65,674	5,640	..	71,314	282	225,361
Total, South Arcot ..	449	68,654	5,640	..	74,743	77,231	509,816
North Salem.							
Reserved forests—							
Sandalwood	654	..	..	..	654	..	..
Miscellaneous	11,032	90	538	..	11,660	..	..
Total ..	11,686	90	538	..	12,314	113,160	7,995
Unreserved lands—							
Sandalwood	550	..	..	..	550	..	..
Miscellaneous	3,013	43,856	..	..	46,869	..	..
Total ..	3,563	43,856	..	..	47,419	63,189	72,061
Total, North Salem ..	15,249	43,946	538	..	59,733	176,349	80,056
South Salem.							
Reserved forest—							
Sandalwood	24	..	..	..	24	..	..
Vengai	576	..	..	..	576	..	..
Miscellaneous	2,620	1,227	9	..	3,856	..	..
Total ..	3,220	1,227	9	..	4,456	285,861	6,324
Unreserved lands—							
Sandalwood	196	..	..	..	196	..	..
Miscellaneous	577	46,566	2,480	..	49,623	..	..
Total ..	773	46,566	2,480	..	49,819	64,187	185,234
Total, South Salem ..	3,993	47,793	2,489	..	54,275	350,048	191,558
Trichinopoly.							
Reserved forests—							
Miscellaneous	..	14,067	..	..	14,067	321,129	203,714
Unreserved lands—							
Miscellaneous	..	7,035	2,687	..	9,722	126,846	590,958
Total, Trichinopoly ..	..	21,102	2,687	..	23,789	447,975	794,672
Tanjore.							
Reserved forests—							
Miscellaneous	..	20,984	..	..	20,984	46,550	213,996
Unreserved lands—							
Miscellaneous	..	..	..	..	..	5,850	242,216
Total, Tanjore ..	..	20,984	..	..	20,984	52,400	456,212

* Includes 89 cubit feet. of charcoal.

† Includes 4,025 cubit feet. of agricultural implements.

(in number) during the year 1905–1906, and Agency of Exploitation—*cont.*

Fuel.			Total.	Bamboos.				
Free-grantees.	Right-holders.	Total.	Outturn.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.
9	10	11	12	13	14	15	16	17
C. FT.	C. FT.	C. FT.	C. FT.	NO.	NO.	NO.	NO.	NO.
..	..	87,440	87,789	..	..	..	..	..
..	..	41,057	70,226	4	163	..	..	167
..	..	128,497	158,015	4	163	..	..	167
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	652,281	659,696	3,280	4,624,310	..	..	4,627,590
..	..	700,203	826,775	..	..	..	..	..
..	..	1,352,484	1,486,471	3,280	4,624,310	..	..	4,627,590
200	..	361,604	365,033	1,684	1,210,701	..	..	1,212,385
..	..	225,643	296,957	..	1,894	20	..	1,914
200	..	587,247	661,990	1,684	1,212,595	20	..	1,214,299
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	121,155	133,469	147,975	2,044,025	3,000	..	2,195,000
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	135,250	182,669	8,213	635,750	..	..	643,963
..	..	256,405	316,138	156,188	2,679,775	3,000	..	2,838,963
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	292,185	296,641	90	4,138,258	1,700	..	4,140,048
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	249,421	299,240	..	160,775	..	..	160,775
..	..	541,606	595,881	90	4,299,033	1,700	..	4,300,823
..	..	524,843	538,910	2,653	23,710	..	..	26,363
..	..	717,804	727,526	..	14,508	100	..	14,608
..	..	1,242,647	1,266,436	2,653	38,218	100	..	40,971
..	..	260,546	281,530	..	..	..	..	..
..	..	248,066	248,066	..	24,227	..	..	24,227
..	..	508,612	529,596	..	24,227	..	..	24,227

Outturn (in cubic feet solid) of Timber and Fuel and of Bamboos

District.	Timber.						
	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Government.	Purchasers.
1	2	3	4	5	6	7	8
SOUTHERN CIRCLE.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.
South Canara.							
Reserved forests—							
Teak	164	13	..	..	177	..	..
Rosewood (*Dalbergia latifolia*)	321	115	..	..	436	..	..
Ironwood (*Xylia dolabriformis*)	503	137	..	..	640	..	..
Vengai (*Pterocarpus marsupium*)	453	51	..	..	504	..	..
Kiralbhogi (*Hopea*)	109	250	..	..	359	..	..
Maddi (*Terminalia tomentosa*)	3,342	2,480	..	..	5,822	..	..
Miscellaneous	32,317	2,600	97	..	35,014	..	..
Total	37,209	5,646	97	..	42,952	400,775	95,348
Reserved lands—							
Teak (*Tectona grandis*)	..	108	..	..	108	..	..
Rosewood	5	86	..	..	91	..	..
Ironwood	371	..	..	..	371	..	..
Kiralbhogi (*Hopea*)	181	..	..	..	181	..	..
Maddi (*Terminalia tomentosa*)	4	575	..	..	579	..	..
Miscellaneous	33	332	..	..	365	..	..
Total	594	1,101	..	..	1,695	..	..
Unreserved lands—							
Teak	..	742	..	2,175	2,917	..	..
Rosewood	223	233	..	600	1,056	..	..
Ironwood	178	267	..	1,800	2,245	..	..
Vengai	..	140	..	125	265	..	..
Kiralbhogi (*Hopea*)	250	7,890	250	64,475	72,865	..	..
Maddi	62	1,255	25	475	1,817	..	..
Miscellaneous	324	18,659	300	26,500	45,783	.	..
Total	1,037	29,186	575	96,150	126,948	5	744,824
Total, South Canara	38,840	* 35,933	672	96,150	171,595	400,780	* 840,172
North Malabar.							
Reserved forests—							
Teak	44,968	..	..	..	44,968	..	..
Rosewood	3,206	..	..	..	3,206	..	..
Ironwood	4,450	..	..	..	4,450	..	..
Vengai	7,781	..	..	..	7,781	..	..
Maddi	27,613	18	..	..	27,631	..	..
Venteak	5,652	..	..	..	5,652	..	..
White cedar	503	..	..	..	503	..	..
Red cedar	361	..	..	..	361	..	..
Miscellaneous	1,741	..	..	..	1,741	..	..
Total	96,275	18	..	..	96,293	10,301	3,180
Unreserved lands—							
White cedar	..	1,000	..	..	1,000	..	..
Total	..	1,000	..	..	1,000	..	300
Total, North Malabar	96,275	1,018	..	..	97,293	10,301	3,480
South Malabar.							
Reserved forests—							
Teak	5,044	5,310	..	..	10,354	..	..
Rosewood	..	143	..	..	143	..	..
Ironwood	1,100	..	..	..	1,100	..	..
Vengai	..	78	..	..	78	..	..
Maddi	76	363	..	..	439	..	..
Miscellaneous	5,608	43,774	..	..	49,382	..	..
Total	11,828	49,668	..	..	61,496	30,155	..

* Includes confiscated and waif produce.

† Rs. 420 were realized by the Tahsildar of Wynaad being the value of trees on darkhast land. The volume of the timber is not known.

(in number) during the year 1905–1906, and Agency of Exploitation—*cont.*

Fuel.			Total.	Bamboos.				
Free-grantees.	Right-holders.	Total.	Outturn.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.
9	10	11	12	13	14	15	16	17
C. FT.	C. FT.	C. FT.	C. FT.	NO	NO.	NO.	NO.	NO.
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	496,123	539,075	6,363	51,623	8	..	57,994
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	1,695	..	800	..	..	800
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	744,829	871,777	225	45,969	..	..	46,194
..	..	1,240,952	1,412,547	6,588	* 98,932	8	..	104,988
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	13,481	109,774	14,585	17,260	..	..	31,845
..	..	..	..	..	..	..	..	..
..	..	† 300	1,300	..	..	..	..	..
..	..	13,781	111,074	14,585	17,260	..	..	31,845
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	30,155	91,651	9,261	9,000	..	..	18,261

Outturn (in cubic feet solid) of Timber and Fuel and of Bamboos

District.	Timber.						
	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Government.	Purchasers.
1	2	3	4	5	6	7	8
SOUTHERN CIRCLE—*cont.*							
South Malabar—cont.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.
Reserved lands—							
Teak	79,703	..	..	..	79,703	..	..
Rosewood	146	..	..	..	146	..	..
Ironwood	17,774	..	..	..	17,774	..	..
Vengai	3	..	..	..	3	..	..
Maddi	6,148	..	..	..	6,148	..	..
Miscellaneous	3,599	..	..	..	3,599	..	..
Total	107,373	..	..	..	107,373	2,681	..
Unreserved lands—							
Teak	..	530	..	..	530	..	..
Rosewood	63	26	..	..	89	..	..
Ironwood	492	..	..	..	492	..	..
Miscellaneous	429	560	..	..	989	..	..
Total	984	1,116	..	..	2,100	24	..
Total, South Malabar	120,185	50,784	..	..	170,969	32,860	..
The Nilgiris.							
Reserved forests—							
Sandalwood	543	..	..	..	543	..	..
Teak	9,179	1,019	..	..	10,198	..	..
Rosewood	796	160	..	..	956	..	..
Vengai	6,515	348	..	..	6,863	..	..
Maddi	1,715	..	..	..	1,715	..	..
Venteak	4,338	..	..	..	4,338	..	..
Miscellaneous	..	1,065	..	..	1,065	..	..
Total	23,086	2,592	..	..	25,678	386,650	48,170
Reserved lands—							
Teak	..	255	..	..	255	..	..
Miscellaneous	..	63	..	250	313	..	..
Total	..	318	..	250	568	..	..
Unreserved lands—							
Miscellaneous	..	330	..	4	334	..	..
Total, The Nilgiris	23,086	3,240	..	254	26,580	386,650	48,170
North Coimbatore.							
Reserved forests—							
Sandalwood	*3,481	..	..	..	3,481	..	..
Teak	1,028	..	..	..	1,028	..	..
Rosewood	2,234	..	..	..	2,234	..	..
Vengai	4,683	..	..	..	4,683	..	..
Maddi	26	15,500	..	..	15,526	..	..
Miscellaneous	2,176	..	..	..	2,176	..	..
Total	13,628	15,500	..	..	29,128	118,811	218,693
Unreserved lands—							
Miscellaneous	..	† 389	‡ 259	..	648	..	8,656
Total, North Coimbatore	13,628	15,889	259	..	29,776	118,811	227,349
South Coimbatore.							
Reserved forests—							
Teak	55,746	..	..	..	55,746	..	..
Rosewood	1,054	..	..	..	1,054	..	..
Ironwood	532	..	..	..	532	..	..
Vengai	5,116	..	..	..	5,116	..	..
Maddi	14,222	..	..	..	14,222	..	..
Miscellaneous	17,477	15,412	3,750	..	36,639	..	..
Total	94,147	15,412	3,750	..	113,309	825,872	§ 130,970
Unreserved lands—							
Miscellaneous	..	1,280	1,430	..	2,710	..	12,185
Total, South Coimbatore	94,147	16,692	5,180	..	116,019	825,872	143,155

* Excludes eighteen trees the volume of which has not been reported.
† Excludes two Palmyra trees.
‡ Excludes 139 palmyra trees the volume of which has not been reported.
§ Excludes 28 tons of charcoal the volume of which has not been reported.

(in number) during the year 1905-1906, and Agency of Exploitation—*cont.*

Fuel.			Total.	Bamboos.				
Free-grantees.	Right-holders.	Total.	Outturn.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.
9	10	11	12	13	14	15	16	17
C. FT.	C. FT.	C. FT.	C. FT.	NO.	NO.	NO.	NO.	NO.
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	2,681	110,054	40,673	5,700	..	..	46,373
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	24	2,124	800	..	..	..	800
..	..	32,860	203,829	50,734	14,700	..	..	65,434
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
2,560	..	437,380	463,058	..	131,127	1,625	..	132,752
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
40	51	91	659	..	..	..	1,600	1,600
..	..	..	334	..	..	..	..	..
2,600	51	437,471	464,051	..	131,127	1,625	1,600	134,352
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	337,504	366,632	26,120	‖ 2,632	10	..	28,762
..	..	8,656	9,304	..	..	..	..	..
..	..	346,160	375,936	26,120	2,632	10	..	28,762
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	956,842	1,070,151	1,516	1,388,740	26,250	..	1,416,506
..	..	12,185	14,895	..	..	2,534	..	2,534
..	..	969,027	1,085,046	1,516	1,388,740	28,784	..	1,419,040

‖ Excludes 187,632 cubic feet of bamboos, the number of bamboos contained in which has not been reported by the Collector.

Outturn (in cubic feet solid) of Timber and Fuel and of Bamboos

District.	Timber.						
	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Government.	Purchasers.
1	2	3	4	5	6	7	8
SOUTHERN CIRCLE—*cont.*	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.
Madura.							
Reserved forests—							
Teak	309	..	..	..	309	..	..
Rosewood	12	..	..	..	12	..	..
Vengai	142	..	..	..	142	..	..
Miscellaneous	171	7,232	..	..	7,403	..	..
Total ..	634	7,232	..	..	7,866	* 1,957,629	270,716
Unreserved lands—							
Miscellaneous	1,480	52,286	..	..	53,766	..	343,559
Total, Madura ..	2,114	59,518	..	..	61,632	1,957,629	614,275
Tinnevelly.							
Reserved forests—							
Teak	685	..	..	..	685	..	..
Miscellaneous	† 5,545	49,153	..	..	54,698	..	..
Total ..	6,230	49,153	..	..	55,383	17[illegible]815	699,971
Unreserved lands—							
Miscellaneous	..	92	..	..	92	8,055	249,453
Total, Tinnevelly ..	6,230	49,245	..	..	55,475	25,870	949,424

ABS

NORTHERN CIRCLE.							
Reserved forests—							
Sâl (*Shorea robusta*)	944	65,844	..	..	66,788	..	..
Teak (*Tectona grandis*)	3,537	9,462	..	..	12,999	..	..
Vengai (*Pterocarpus marsupium*)	8,236	10	..	..	8,246	..	..
Maddi (*Terminalia tomentosa*) ..	3,360	..	..	..	3,360	..	..
Miscellaneous	63,923	371,594	16,801	1,311	453,629	..	..
Total ..	80,000	446,910	16,801	1,311	545,022	3,868,757	1,260,335
Reserved lands—							
Sâl (*Shorea robusta*)	79	..	..	..	79	..	..
Teak (*Tectona grandis*) ..	1,017	..	..	..	1,017	..	..
Miscellaneous	1,490	53,524	..	..	55,014	..	..
Total ..	2,586	53,524	..	..	56,110	86,100	10,749
Unreserved lands—							
Sâl (*Shorea robusta*)	1,832	60,350	..	..	62,182	..	..
Teak (*Tectona grandis*) ..	67	894	..	..	961	..	..
Vengai (*Pterocarpus marsupium*)	510	976	..	..	1,486	..	..
Maddi (*Terminalia tomentosa*) ..	445	1,405	..	..	1,850	..	..
Miscellaneous	12,825	515,504	15,156	..	543,485	..	..
Total ..	15,679	579,129	15,156	..	609,964	238,656	1,330,272
Reserved forests, Reserved lands and Unreserved lands—							
Sâl	2,855	126,194	..	..	129,049	..	..
Teak	4,621	10,356	..	..	14,977	..	..
Vengai	8,746	986	..	..	9,732	..	..
Maddi	3,805	1,405	..	..	5,210	..	..
Miscellaneous	78,238	940,622	31,957	1,311	1,052,128	..	..
Grand Total, Northern Circle ..	98,265	1,079,563	31,957	1,311	1,211,096	4,193,513	2,601,356

* Excludes 66 bags of charcoal the volume in cubic feet of which has not been reported by the Collector.

† Excludes 67¾ sets of felloes and 1,012 pieces of agricultural implements the volume of which has not been reported by the Collector.

(in number, during the year 1905-1906, and Agency of Exploitation—*cont.*

Fuel.			Total.	Bamboos.				
Free-grantees.	Right-holders.	Total.	Outturn.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.
9	10	11	12	13	14	15	16	17
C. FT.	C. FT.	C. FT.	C. FT.	NO.	NO.	NO.	NO.	NO.
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	2,228,345	2,236,211	16	107,796	..	..	107,812
..	..	343,559	397,325	..	..	..	..	..
..	..	2,571,904	2,633,536	16	107,796	..	..	107,812
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	717,786	773,169	7	‡ 2,250	..	..	2,257
..	..	257,508	257,600	..	§ 1,682	..	..	1,682
..	..	975,294	1,030,769	7	3,932	..	..	3,939

TRACT.

..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
606	257,510	5,387,208	5,932,230	2,306,760	7,061,139	133,077	20,489	9,521,485
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	96,849	152,959	600	129,667	..	..	130,267
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	1,568,928	2,178,892	2,570	6,145,824	..	..	6,148,394
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
606	257,510	7,052,985	8,264,081	2,309,950	13,336,630	133,077	20,489	15,800,146

‡ Excludes 105 tons and 1,456 lb. of Ithacally.

§ Excludes 152 cubic feet of bamboos the number contained in which has not been reported by the Collector and 4 tons and 1,456 lb. of Ithacally.

Outturn (in cubic feet solid) of Timber and Fuel and of Bamboos

District.	Timber.						
	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Government.	Purchasers.
1	2	3	4	5	6	7	8
							ABS-
CENTRAL CIRCLE.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.
Reserved forests—							
Sandalwood	2,892	..	..	..	2,892	..	..
Red Sanders	916	..	..	..	916	..	..
Vengai	576	..	..	..	576	..	..
Miscellaneous	34,597	125,635	17,287	..	177,519	..	..
Total ..	38,981	125,635	17,287	..	181,903	2,207,310	1,606,321
Unreserved lands—							
Sandalwood	746	..	..	..	746	..	..
Miscellaneous	3,711	348,015	40,522	..	392,248	..	..
Total ..	4,457	348,015	40,522	..	392,994	269,638	2,275,513
Reserved forests and unreserved lands—							
Sandalwood	3,638	..	..	..	3,638	..	..
Red Sanders	916	..	..	..	916	..	..
Vengai	576	..	..	..	576	..	..
Miscellaneous	38,308	473,650	57,809	..	569,767	..	..
Grand Total, Central Circle ..	43,438	473,650	57,809	..	574,897	2,476,948	3,881,834
SOUTHERN CIRCLE.							
Reserved forests—							
Sandalwood	4,024	..	..	..	4,024	..	..
Teak	117,123	6,342	..	..	123,465	..	..
Rosewood	7,623	418	..	..	8,041	..	..
Ironwood	6,585	137	..	..	6,722	..	..
Vengai	24,690	477	..	..	25,167	..	..
Kiralbhogi	109	250	..	..	359	..	..
Maddi	46,994	18,361	..	..	65,355	..	..
Venteak	9,990	..	..	..	9,990	..	..
White Cedar	503	..	..	..	503	..	..
Red Cedar	361	..	..	..	361	..	..
Miscellaneous	65,035	119,236	3,847	..	188,138	..	..
Total ..	283,037	145,221	3,847	..	432,105	3,748,008	1,467,048
Reserved lands—							
Teak	79,703	363	..	..	80,066		
Rosewood	151	86	..	..	237	..	..
Ironwood	18,145	..	..	..	18,145	..	..
Vengai	3	..	..	..	3	..	..
Kiralbhogi	181	..	..	..	181	..	..
Maddi	6,152	575	..	..	6,727	..	..
Miscellaneous	3,632	395	..	250	4,277	..	..
Total ..	107,967	1,419	..	250	109,636	2,681	..
Unreserved lands—							
Teak	..	1,272	..	2,175	3,447	..	..
Rosewood	286	259	..	600	1,145	..	..
Ironwood	670	267	..	1,800	2,737	..	..
Vengai	..	140	..	125	265	..	..
Kiralbhogi	250	7,890	250	64,475	72,865	..	..
Maddi	62	1,255	25	475	1,817	..	..
White Cedar	..	1,000	..	..	1,000	..	..
Miscellaneous	2,233	73,596	1,989	26,504	104,322	..	..
Total ..	3,501	85,679	2,264	96,154	187,598	8,084	1,358,977
Reserved forests, reserved lands and unreserved lands—							
Sandalwood	4,024	..	..	..	4,024	..	..
Teak	196,826	977	..	2,175	206,978	..	..
Rosewood	8,060	763	..	600	9,423	..	..
Ironwood	25,400	404	..	1,800	27,604	..	..
Vengai	24,693	617	..	125	25,435	..	..
Kiralbhogi	540	8,140	250	64,475	73,405	..	..
Maddi	53,208	20,191	25	475	73,899	..	..
Venteak	9,990	..	..	..	9,990	..	..
White Cedar	503	1,000	..	..	1,503	..	..
Red Cedar	361	..	..	..	361	..	..
Miscellaneous	70 900	193,227	5,836	26,754	296,717	..	..
Grand Total, Southern Circle ..	394,505	232,319	6,111	96,404	729,339	3,758,773	2,826,025

(in number) during the year 1905-1906, and Agency of Exploitation—*cont.*

Fuel.			Total.	Bamboos.				
Free-grantees.	Right-holders.	Total.	Outturn.	Government.	Purchasers.	Free-grantees.	Right holders.	Total.
9	10	11	12	13	14	15	16	17
TRACT—*cont.*								
C. FT.	C. FT.	C. FT.	C. FT.	NO.	NO.	NO.	NO.	NO.
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
200	..	3,813,831	3,995,734	156,782	13,269,871	85,400	..	13,512,053
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	2,545,151	2,938,145	8,217	837,317	120	..	845,654
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
200	..	6,358,982	6,933,879	164,999	14,107,188	85,520	..	14,357,707
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
2,560	..	5,217,616	5,649,721	57,868	1,710,428	27,893	..	1,796,189
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
40	51	2,772	112,408	40,673	6,500	..	1,600	48,773
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	1,367,061	1,554,659	1,025	47,651	2,534	..	51,210
..	..	..	..	..	..			
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
2,600	51	6,587,449	7,316,788	99,566	1,764,579	30,427	1,600	1,896,172

Outturn (in cubic feet solid) of Timber and Fuel and of Bamboos

District.	Timber.						
	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Government.	Purchasers.
1	2	3	4	5	6	7	8
							PRESIDENCY
	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.
Reserved forests—							
Sandalwood	6,916	..	..	..	6,916	..	..
Sâl	944	65,844	..	..	66,788	..	..
Teak	120,660	15,804	..	..	136,464	..	..
Red sanders	916	..	..	..	916	..	..
Rosewood	7,623	418	..	..	8,041	..	..
Ironwood	6,585	137	..	..	6,722	..	..
Vengai	33,502	487	..	..	33,989	..	..
Kiralbhogi	109	250	..	..	359	..	..
Maddi	50,354	18,361	..	..	68,715	..	..
Venteak	9,990	..	..	..	9,990	..	..
White cedar	503	..	..	..	503	..	..
Red cedar	361	..	..	..	361	..	..
Miscellaneous	163,555	616,465	37,935	1,311	819,266	..	..
Total ..	402,018	717,766	37,935	1,311	1,159,030	9,824,075	4,333,704
Reserved lands—							
Sâl	79	..	..	..	79	..	..
Teak	80,720	363	..	..	81,083	..	..
Rosewood	151	86	..	..	237	..	..
Ironwood	18,145	..	..	..	18,145	..	..
Vengai	3	..	..	..	3	..	..
Kiralbhogi	181	..	..	..	181	..	..
Maddi	6,152	575	..	..	6,727	..	..
Miscellaneous	5,122	53,919	..	250	59,291	..	..
Total ..	110,553	54,943	..	250	165,746	88,781	10,749
Unreserved lands—							
Sandalwood	746	..	..	..	746	..	..
Sâl	1,832	60,350	..	..	62,182	..	..
Teak	67	2,166	..	2,175	4,408	..	..
Rosewood	286	259	..	600	1,145	..	..
Ironwood	670	267	..	1,800	2,737	..	..
Vengai	510	1,116	..	125	1,751	..	..
Kiralbhogi	250	7,890	250	64,475	72,865	..	..
Maddi	507.	2,660	25	475	3,667	..	..
White cedar	..	1,000	..	..	1,000	..	..
Miscellaneous	18,769	937,115	57,667	26,504	1,040,055	..	..
Total ..	23,637	1,012,823	57,942	96,154	1,190,556	516,378	4,964,762
Reserved forests, reserved lands and unreserved lands—							
Sandalwood	7,662	..	..	..	7,662	..	..
Sâl	2,855	126,194	..	..	129,049	..	..
Teak	201,447	18,333	..	2,175	221,955	..	..
Red sanders	916	..	..	..	916	..	..
Rosewood	8,060	763	..	600	9,423	..	..
Ironwood	25,400	404	..	1,800	27,604	..	..
Vengai	34,015	1,603	..	125	35,743	..	..
Kiralbhogi	540	8,140	250	64,475	73,405	..	..
Maddi	57,013	21,596	25	475	79,109	..	..
Venteak	9,990	..	..	..	9,990	..	..
White cedar	503	1,000	..	..	1,503	..	..
Red cedar	361	..	..	..	361	..	..
Miscellaneous	187,446	1,607,499	95,602	28,065	1,918,612	..	..
Grand Total, Presidency ..	536,208	1,785,532	95,877	97,715	2,515,332	10,429,234	9,309,215
Grand Total, Presidency, 1904-05.	655,211	2,235,087	90,463	120,711	3,101,472	9,794,023	10,757,206

(in number) during the year 1905-1906, and Agency of Exploitation—*cont.*

Fuel.			Total.	Bamboos.				
Free-grantees.	Right-holders.	Total.	Outturn.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.
9	10	11	12	13	14	15	16	17
ABSTRACT.								
C. FT.	C. FT.	C. FT.	C. FT.	NO.	NO.	NO.	NO.	NO.
..	..	..	..	..	..	..	..	
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
3,366	257,510	14,418,655	15,577,685	2,521,430	22,041,438	246,370	20,489	24,829,727
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
40	51	99,621	265,367	41,273	136,167	..	1,600	179,040
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	5,481,140	6,671,696	11,812	7,030,792	2,654	..	7,045,258
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
3,406	257,561	19,999,416	22,514,748	2,574,515	29,208,397	249,024	22,089	32,054,025
2,933	257,577	20,811,739	23,913,211	664,076	34,911,894	190,873	21,639	35,788,482

ANNUAL FORM No. 56.

Forest Department, Madras Presidency.

OUTTURN of Minor Forest Produce during the year 1905–1906.

Circle.	Description of produce.	Produce removed or utilized.					
		By Government Agency.		By purchasers.	By free grants.	By right-holders.	Total.
		Quantity in maunds of 25 lbs.	Value.	Value.	Value.	Value.	Value.
1	2	3	4	5	6	7	8
		MDS.	RS.	RS.	RS.	RS.	RS.
Northern Circle.	Grazing and fodder grass ..	60,388	5,279	2,46,076	162	1,309	2,52,826
	Grass (thatch, korai, tharbai, etc.).	12,629	478	849	6	..	1,333
	Tamarind, soapnuts, gallnuts, nux-vomica, sheakoy, etc.	8,916	6,116	57,315	..	38,450	1,01,881
	Horns, honey, wax, resin, gum, skins, etc.	455	945	2,199	..	..	3,144
	Dammer, turmeric, etc	..	..	157	..	..	157
	Tangedu, vembadam, etc., barks and fibres.	5	1	65,272	..	..	65,273
	Plumbago, stone, gravel, earth, etc.	..	..	16,006	4	..	16,010
	Leaves for platters	..	..	514	..	..	514
	Manure leaves, thorns, etc. ..	..	..	621	..	..	621
	Date and palmyra leaves ..	..	12	1,354	240	..	1,606
	Miscellaneous (inclusive of tree-owner's fees).	3,016	1,194	1,23,093	..	300	1,24,587
	Total ..	85,409	14,025	5,13,456	412	40,059	5,67,952
Central Circle.	Grazing and fodder grass ..	15,119	960	2,91,713	..	356	2,93,629
	Grass (thatch, korai, etc.) ..	..	..	221	..	..	221
	Tamarind, soapnuts, gallnuts, etc.	12,608	6,354	26,139	..	..	32,993
	Horns, honey, wax, gum, resins, etc.	476	1,867	10	..	..	1,877
	Tangedu, vembadam, etc., barks and fibres.	164	211	31,192	..	..	31,403
	Mica, stone, gravel, earth, &c. ..	..	..	70,135	..	..	70,135
	Manure leaves, thorns, etc. ..	9	2	13,196	..	..	13,198
	Date and palmyra leaves, stalks, etc.	..	4	1,190	140	..	1,334
	Miscellaneous	3,787	2,513	1,21,534	..	..	1,24,047
	Total ..	32,163	12,411	5,55,330	140	356	5,68,237
Southern Circle.	Grass and grazing	1,134	130	1,27,316	..	..	1,27,446
	Grass (thatch, korai, etc.) ..	..	..	2,926	3	11	2,940
	Catechu	1,917	15,315	..	..	..	15,315
	Dammer, turmeric, pepper, cardamoms, etc.	49	227	8,453	..	..	8,680
	Tamarind, soapnuts, gallnuts, etc.	9,362	6,272	3,267	..	..	9,539
	Horns, honey, wax, resins, gum, skins, etc.	820	7,114	471	..	..	7,585
	Tangedu, vembadam, etc., barks and fibres.	205	36	3,361	..	..	3,397
	Stone, gravel, earth, etc. ..	..	..	14,125	..	..	14,125
	Manure leaves, thorns, etc. ..	..	..	10,275	..	..	10,275
	Date and palmyra leaves ..	..	..	245	..	..	245
	Miscellaneous	305	347	64,666	4	595	65,612
	Total ..	13,792	29,441	2,35,105	7	606	2,65,159
Presidency total.	Grazing and fodder grass ..	76,641	6,369	6,65,105	162	1,665	6,73,301
	Grass (thatch, korai, etc.) ..	12,629	478	3,996	9	11	4,494
	Catechu	1,917	15,315	..	..	..	15,315
	Tamarind, soapnuts, gallnuts, nux-vomica, sheakoy, etc.	30,886	19,242	86,721	..	38,450	1,44,413
	Pepper, cardamoms, dammer, turmeric, etc.	49	227	8,610	..	..	8,837
	Horns, honey, wax, resins, gums, skins, etc.	1,751	9,926	2,680	..	..	12,606
	Tangedu, vembadam, etc., barks and fibres.	374	248	99,825	..	..	1,00,073
	Plumbago, mica, stone, gravel, earth, etc.	..	..	1,00,266	4	..	1,00,270
	Leaves for platters	..	..	514	..	..	514
	Manure leaves, thorns, etc. ..	9	2	24,092	..	..	24,094
	Date and palmyra leaves ..	..	16	2,789	380	..	3,185
	Miscellaneous (inclusive of tree-owner's fees).	7,108	4,054	3,09,293	4	895	3,14,246
	Grand Total ..	131,364	55,877	13,03,891	559	41,021	14,01,348

Annual Form No. 57.

Forest Department, Madras Presidency.

Account of Timber and other produce cut or collected by Government Agency and brought to depots, sold locally or otherwise disposed of during 1905–1906.

Name of district.	Balance at commencement of the year in forest and sale depots.	Received during the year.	Total.	Disposed of during the year.	Balance in hand at close of the year in forest and sale depots.
1	2	3	4	5	6
TIMBER (cubic feet).					
Northern Circle.					
Ganjám	9,812	10,784	20,596	15,059	5,537
Vizagapatam	1,120	1,843	2,963	2,033	930
Gódávari	(a) 5,319	2,532	7,851	2,118; (i) 2,735	2,998
Kistna	316	391	707	527	180
Guntúr	1,459	18,438	19,897	14,730	5,167
Kurnool, East	2,342	18,394	20,736	10,029	10,707
Do. West	11,303	23,608	34,911	24,422	10,489
Bellary	7,801	21,429	29,230	19,152	10,078
Anantapur	(b) ..	846	846	345	501
Total	39,472	98,265	137,737	91,150	46,587
Central Circle.					
Cuddapah	47,754	13,639	61,393	37,363	24,030
Nellore	..	2,796	2,796	2,777	19
Chingleput	..	40	40	40	..
North Arcot	1	7,272	7,273	6,693; (i) 105; (j) 1	474
South do.	453	449	902	325; (i) 501	76
North Salem	9,258	(f) 15,249	24,507	11,758	12,749
South do.	2,206	3,993	6,199	4,425	1,774
Total	59,672	43,438	103,110	63,988	39,122
Southern Circle.					
South Canara	59,380	38,840	98,220	37,428; (i) 1,269; (j) 8,672	50,851
Malabar, North	151,558	96,275	247,833	47,411	200,422
Do. South	140,756	120,185	260,941	98,223; (i) 2,283; (j) 757; (k) 1,858; (l) 1,697	156,123
The Nilgiris	20,963	23,086	44,049	32,281	11,768
Coimbatore, North	12,016	13,628	25,644	12,265	13,379
Do. South	107,744	(g) 95,550	203,294	72,577; (j) 1,696; (m) 8,171	120,850
Madura	580	2,114	2,694	2,147	547
Tinnevelly	(c) 4,235	6,230	10,465	3,250	7,215
Total	497,232	395,908	893,140	331,985	561,155
Grand Total	596,376	537,611	1,133,987	487,123	646,864
FUEL (cubic feet).					
Northern Circle.					
Ganjám	44,624	11,395	56,019	55,051	968
Vizagapatam	(d) 7,833	185,429	193,262	167,132	26,130
Gódávari	(e) 190,961	337,081	528,042	373,456; (i) 2,106; (j) 136	152,344
Kistna	24,700	203,625	228,325	177,454	50,871
Guntúr	126,150	260,625	386,775	214,455	172,320
Kurnool, East	738,040	1,086,511	1,824,551	1,373,925	450,626
Do. West	608,868	(h)1,355,436	1,964,304	1,270,571	693,733
Bellary	761,517	492,403	1,253,920	356,152; (j) 23,009	874,759
Anantapur	189,249	261,008	450,257	226,624	223,633
Total	2,691,942	4,193,513	6,885,455	4,240,071	2,645,384

(a) Variation in the opening balance is due to excess found on remeasurement.
(b) Revised figure. Excludes 2,000 pieces of agricultural implements. 4,582 pieces were received and 5,477 were disposed of during the year.
(c) Excludes 3,336 poles the volume of which has not been reported. 67¾ sets of felloes and 1,012 pieces of agricultural implements were received during the year. 27½ sets and 1,650 pieces were disposed of, leaving a balance of 40¼ sets and 2,698 pieces.
(d) Excludes 740 kunchams and 1,327 lbs. of charcoal. 9,305 kunchams were received during the year and 8,410 kunchams and 1,327 lbs were disposed of leaving a balance of 1,635 kunchams.
(e) Revised figure. (f) The Collector's figure is 12,673 ; but the figure in Form 55 has been adopted.
(g) Includes 1,353 cubic feet transferred from South Malabar and 50 c. ft. from North Coimbatore.
(h) The Collector's figure is 1,350,200 ; but the figure in Form No. 55 has been adopted.
(i) Used departmentally. (j) Written off. (k) Transferred to South Coimbatore.
(l) Removed from the stock not having been actually seized. (m) Wastage in saving.

Account of Timber and other produce cut or collected by Government Agency and brought to depots, sold locally or otherwise disposed of during 1905–1906—*cont.*

Name of district.	Balance at commencement of the year in forest and sale depots.	Received during the year.	Total.	Disposed of during the year.	Balance in hand at close of the year in forest and sale depots.
1	2	3	4	5	6
FUEL (CUBIC FEET)—*cont.*					
Central Circle.					
Cuddapah	170,648	171,761	342,409	206,342 (*a*) 80,508	55,559
Nellore	101,387	607,497	708,884	539,540	169,344
Chingleput	58	50,038	50,096	39,043	11,053
North Arcot	102,291	543,649	645,940	439,111 (*b*) 495 (*a*) 24,994 (*c*) 2,578 (*d*) 85	178,677
South do.	12,412	77,231	89,643	68,172 (*b*) 3,991	17,480
North Salem	8,007	176,349	184,356	121,916	62,440
South do.	139,057	350,048	489,105	309,671	179,434
Trichinopoly	36,619	447,975	484,594	402,732 (*a*) 8,372	73,490
Tanjore	84	52,400	52,484	35,366	17,118
Total ..	570,563	2,476,948	3,047,511	2,282,916	764,595
Southern Circle.					
South Canara	167,485	400,780	568,265	233,459 (*b*) 79 (*a*) 2,388	332,339
North Malabar	..	10,301	10,301	..	10,301
South Do.	113,877	32,860	146,737	110,313 (*a*) 35,843	581
The Nilgiris	304,833	386,650	691,483	341,222	350,261
North Coimbatore	8,570	118,811	127,381	81,743	45,638
South Do.	165,876	825,872 (*e*) 70,768 (*f*) 38,583	1,101,099	604,270 (*g*) 76,350	420,479
Madura	4,773	(*h*) 1,957,629	1,962,402	1,949,791 (*a*) 4,773	7,838
Tinnevelly	486	25,870	26,356	15,203	11,153
Total ..	765,900	3,868,124	4,634,024	3,455,434	1,178,590
Grand Total ..	4,028,405	10,538,585	14,566,990	9,978,421	4,588,569
BAMBOOS (NUMBER).					
Northern Circle.					
Ganjám	1,520	262,527	264,047	262,478	1,569
Vizagapatam	10,094	660	10,754	10,338	416
Gódávari	150	3,170	3,320	(*b*) 2,670	650
Kurnool, East	..	564,447	564,447	541,363	23,084
Do. West	60,348	1,450,024	1,510,372	1,486,665	23,707
Bellary	..	600	600	350	250
Anantapur	..	28,522	28,522	6,229	22,293
Total ..	72,112	2,309,950	2,382,062	2,310,093	71,969
Central Circle.					
Cuddapah	..	1,100	1,100	(*b*) 575	525
Chingleput	..	4	4	4	..
North Arcot	..	3,280	3,280	(*b*) 3,280	..
South do.	..	1,684	1,684	723 (*b*) 890	71
North Salem	194	156,188	156,382	132,216	24,166
South do.	..	90	90	90	..
Trichinopoly	..	2,653	2,653	2,183	470
Total ..	194	164,999	165,193	139,961	25,232

(*a*) Written off.
(*b*) Used departmentally.
(*c*) Loss by conversion into charcoal.
(*d*) Transferred to timber.
(*e*) Transferred from the Nilgiris for sale in this district.
(*f*) Transferred from North Coimbatore for sale in this district.
(*g*) Dryage and wastage.
(*h*) Excludes 66 bags of charcoal, of these 12 bags were disposed of, leaving a balance of 54 bags.

Account of Timber and other produce cut or collected by Government Agency and brought to depots, sold locally or otherwise disposed of during 1905-1906—*cont.*

Name of district.	Balance at commencement of the year in forest and sale depots.	Received during the year.	Total.	Disposed of during the year.	Balance in hand at close of the year in forest and sale depots.
1	2	3	4	5	6
BAMBOOS (NUMBER)—*cont.*					
Southern Circle.					
South Canara	11,036	6,588	17,624	10,463 * 1,351 † 141	5,669
Malabar (North)	..	14,585	14,585	76	14,509
Do. (South)	8,000	50,734	58,734	41,435 * 3,779	13,520
Coimbatore (North)	..	26,120	26,120	17,620	8,500
Do. (South)	179	1,516	1,695	1,135	560
Madura	..	16	16	14	2
Tinnevelly	1,773	7	1,780	803	977
Total	20,988	99,566	120,554	76,817	43,737
Grand Total	93,294	2,574,515	2,667,809	2,526,871	140,938
MINOR PRODUCE (MAUNDS OF 25 LBS.).					
Northern Circle.					
Ganjám	330	..	330	..	330
Vizagapatam	2,108	3,808	5,916	5,836	80
Godávari	..	8,821	8,821	* 8,821	..
Kistna	287	68	355	90	265
Guntúr	14,641	41,089	55,730	12,852	42,878
Kurnool, East	‡ 3,148	6,726	9,874	2,621	7,253
Do. West	1,717	7,108	8,825	7,108	1,717
Bellary	16,359	17,784	34,143	11,071	23,072
Anantapur	1,585	5	1,590	1,590	..
Total	40,175	85,409	125,584	49,989	75,595
Central Circle.					
Cuddapah	2,236	644	2,880	2,282	598
Nellore	6,032	5,761	11,793	10,564	1,229
Chingleput	..	1,154	1,154	..	1,154
North Arcot	901	9,699	10,600	10,278 * 1 † 11	310
South do.	1,645	1,932	3,577	2,415	1,162
North Salem	2,245	10,383	12,628	3,938	8,690
South do.	3,505	2,298	5,803	2,102	3,701
Trichinopoly	232	277	509	509	..
Tanjore	12	15	27	12	15
Total	16,808	32,163	48,971	32,112	16,859
Southern Circle.					
South Canara	106	2,101	2,207	1,854 * 79	274
Malabar (North)	144	1,062	1,206	1,087	119
Do. (South)	2	4	6	5	1
The Nilgiris	2,848	1,635	4,483	3,940	543
Coimbatore (North)	21,705	5,342	27,047	23,488	3,559
Do. (South)	2,753	3,520	6,273	5,457 † 286	530
Tinnevelly	..	128	128	120	8
Total	27,558	13,792	41,350	36,316	5,034
Grand Total	84,541	131,364	215,905	118,417	97,488

* Used departmentally. † Written off. ‡ Revised figure.

Annual Form No. 58.

Forest Department, Madras Presidency.

Statement showing the value of Timber and other Produce at sale depots for the year 1905–1906.

District.	Description of timber or produce.	On hand at commencement of the year.			On hand at close of the year.			Difference in value.	
		Number.	Cubic feet.	Value.	Number.	Cubic feet.	Value.	In favour of the year.	Against the year.
1	2	3	4	5	6	7	8	9	10
	Northern Circle.			Rs.			Rs.	Rs.	Rs.
Ganjám ..	Sál	..	8,324	2,081	..	1,946	486	..	1,595
	Miscellaneous ..	..	57	4		23	2	..	2
	Total, Timber..	..	8,381	2,085	..	1,969	488	..	1,597
	Fuel	..	1,604	140	..	368	29	..	111
	Bamboos.. ..	1,520	..	9	1,569	..	10	1	..
Vizagapatam.	Sál	..	..	..	..	132	264	264	..
	Yegisa (Vengai).	..	..	..	..	48	2	2	..
	Miscellaneous ..	..	1,120	348	..	750	508	162	..
	Total, Timber..	..	1,120	348	..	930	776	428	..
	Fuel	..	7,833	516	..	26,130	* 840	324	..
	Bamboos.. ..	10,094	..	22	416	..	1	..	21
	Minor produce ..	MDS. 2,108	..	221	MDS. 80	..	400	179	..
Gódávari ..	Teak	..	3,033	1,516	..	466	233	..	1,283
	Maddi	..	252	63	..	..	..	..	63
	Vengai	..	..	..	..	510	127	127	..
	Miscellaneous ..	..	2,034	445	..	2,022	443	..	2
	Total, Timber..	..	5,319	2,024	..	2,998	803	..	1,221
	Fuel	..	190,961	10,051	..	152,344	8,018	..	2,033
	Bamboos ..	150	..	5	650	..	22	17	..
Kistna ..	Timber	..	316	115	..	180	80	..	35
	Fuel	..	14,969	1,330	..	36,566	3,153	1,823	..
	Minor produce ..	MDS. 287	..	151	MDS. 265	..	142	..	9
Guntúr ..	Timber	..	689	129	..	4,853	2,278	2,149	..
	Fuel	..	67,287	11,776	..	120,842 / † 96	4,770 / 24	..	6,982
	Minor produce ..	..	..	..	MDS. 4,691	..	576	576	..
Kurnool, East	Miscellaneous timber ..	..	2,342	1,171	..	10,707	8,086	6,915	..
	Fuel	..	738,040	42,733	..	450,626	26,062	..	16,671
	Bamboos ..	..	..	..	23,084	..	460	460	..
	Minor produce ..	MDS. 3,496	..	2,149	MDS. 7,253	..	5,639	3,490	..
Kurnool, West.	Miscellaneous timber ..	..	11,303	5,652	..	10,489	5,245	..	407
	Fuel	..	608,868	35,816	..	693,733	40,820	5,004	..
	Minor produce ..	MDS. 1,717	..	507	MDS. 1,717	..	507	..	..
Bellary ..	Teak	..	513	28	..	1,726	717	689	..
	Miscellaneous ..	..	3,365	350	..	2,738	171	..	179
	Total timber ..	..	‡ 3,878	378	..	4,464	888	510	..
	Fuel	..	330,569	19,873	..	658,940	37,880	18,007	..
	Bamboos ..	540	..	10	250	..	6	..	4
	Minor produce ..	MDS. 3,085	..	185	MDS. 15,795	..	2,150	1,965	..
Anantapur ..	Timber	..	560	§ ..	..	‖ 501	§ ..	..	..
	Fuel	..	189,249	13,915	..	223,633	12,423	..	1,492
	Minor produce ..	MDS. 1,578	..	82	..	..	..	..	82
	Bamboos ..	..	..	..	22,293	..	§ ..	..	..

* Includes the value of 1,635 Kunchams of charcoal.
† Charcoal.
‡ The Collector has not explained the variation in the opening balance.
§ Value not reported.
‖ Excludes 1,105 pieces of agricultural implements, the volume and value of which have not been reported by the Collector.

Statement showing the value of Timber and other Produce at sale depots, etc.—*cont.*

District.	Description of timber or produce.	On hand at commencement of the year.			On hand at close of the year.			Difference in value.	
		Number.	Cubic feet.	Value.	Number.	Cubic feet.	Value.	In favour of the year.	Against the year.
1	2	3	4	5	6	7	8	9	10
	Central Circle.			RS.			RS.	RS.	RS.
Cuddapah ..	Timber	..	47,754	11,315	..	24,030	6,007	..	5,308
	Fuel	..	170,648	5,126	..	55,559	1,736	..	3,390
	Bamboos	..	..	..	525	..	5	5	..
	Minor produce ..	MDS. 2,236	..	1,741	MDS. 598	..	515	..	1,226
Nellore ..	Timber	..	..	..	..	19	1	1	..
	Fuel	..	101,387	5,543	..	169,344	10,876	5,333	..
	Minor produce ..	MDS. 6,032	..	2,876	MDS. 1,229	..	696	..	2,180
Chingleput.	Fuel	..	58	7	..	11,053	917	910	..
	Minor produce ..	..	..	..	MDS. 1,154	..	.. *	..	..
North Arcot.	Red Sanders ..	..	..	..	..	131	59	..	..
	Sandalwood ..	..	..	..	..	† ..	3	..	
	Miscellaneous ..	..	1	..	..	337	798	..	..
	Total, Timber ..	..	1	..	..	468	860	860	..
	Fuel	..	68,585	4,601	..	74,073	5,099	498	..
	Minor produce ..	MDS. 632	..	278	MDS. 160	..	560	282	..
North Salem.	Timber ‡ ..	..	9,258	6,280	..	10,173	6,750	470	..
	Fuel	..	8,007	166	..	62,440	8,360	8,194	..
	Bamboos ..	194	..	24	24,166	..	901	877	..
	Minor produce ..	MDS. 2,245	..	210	MDS. 8,690	..	3,042	2,832	..
South Salem.	Sandalwood ..	..	83	498	..	121	1,089	..	..
	Vengai	..	..	..	..	438	766	..	..
	Miscellaneous ..	..	2,123	707	..	1,215	607	..	..
	Total, Timber ..	..	2,206	1,205	..	1,774	2,462	1,257	..
	Fuel	..	139,057	11,208	..	179,434	12,952	1,744	..
	Minor produce ..	MDS. 3,505	..	185	MDS. 3,701	..	90	..	95
Trichinopoly.	Fuel	..	36,619	4,722	..	73,490	7,050	2,328	..
	Bamboos ..	..	..	..	473	..	29	29	..
	Minor produce ..	MDS. 232	..	159	..	..	..	..	159
Tanjore ..	Fuel	..	84	2	..	17,118	855	853	..
	Minor produce ..	MDS. 12	..	8	MDS. 15	..	12	4	..
	Southern Circle.								
South Canara.	Miscellaneous timber ..	..	11,330	6,636	..	7,690	4,898	..	1,738
	Fuel	..	..	..	..	32,478	2,896	2,896	..
	Bamboos ..	150	..	15	191	..	18	3	..
	Minor produce ..	MDS. 57	..	903	MDS. 17	..	84	..	819
North Malabar.	Teak	..	89,737	50,477	..	109,177	86,080	..	..
	Vengai	..	32,032 67	18,018 2	..	31,629	15,748	..	..
	Rosewood ..	..	3,961	2,238	..	6,766	4,228	..	..
	Matti	..	16,075 409	5,024 290	..	35,070 121	8,767	..	..
	Benteak	..	1,318	577	..	6,814	3,407	..	..
	Ironwood ..	..	1,502	1,068	..	4,074	2,035	..	..
	Red Ceder ..	..	..	..	..	361	150	..	..
	White Ceder ..	..	..	..	..	428	200	..	..
	Irubbogam ..	..	..	..	..	1,845	900	..	..
	Miscellaneous ..	..	6,457	4,031	..	4,136	2,045	..	..
	Total, Timber ..	..	151,558	82,725	..	200,421	123,560	40,835	..
	Fuel	..	..	..	..	10,301	500	500	..
	Bamboos ..	..	..	..	14,509	..	700	700	..
	Minor produce ..	MDS. 144	..	1,130	MDS. 1,191	..	410	..	720

* Value not reported. † Below one cubic foot. ‡ Includes sandalwood.

Statement showing the value of Timber and other Produce at sale depots, etc.—*cont.*

District.	Description of timber or produce.	On hand at commencement of the year.			On hand at close of the year.			Difference in va	
		Number.	Cubic feet.	Value.	Number.	Cubic feet.	Value.	In favour of the year.	Against the year.
1	2	3	4	5	6	7	8	9	10
	Southern Circle—cont.			RS.			RS.	RS.	RS.
South Malabar.	Teak	..	59,167	90,000	..	84,486	125,700	..	..
	Rosewood ..	..	1,099		..	689		..	..
	Ironwood ..	..	44,657		..	42,839		..	..
	Maddi	..	6,626		..	12,226		..	..
	Hopea	..	181		..	10		..	..
	Vengai	..	..		..	275		..	..
	Miscellaneous ..	..	29,026		..	15,598		..	..
	Total, Timber..	..	140,756	90,000	..	* 156,123	125,700	35,700	..
	Fuel	..	113,877	4,286	..	581	32	..	4,254
	Bamboos ..	8,000	..	320	13,520	..	540	220	..
	Minor produce ..	MDS. 2	..	31	MD. 1	..	164	133	..
The Nilgiris.	Teak	..	610	2,135	..	342	1,024	..	..
	Vengai	..	4	6	..	..	..	..	..
	Total, Timber..	..	614	2,141	..	342	1,024	..	1,117
	Fuel	..	25,998	2,601	..	18,438	1,446	..	1,155
	Minor produce ..	MDS. 34	..	187	MDS. 65	..	66	..	121
North Coimbatore.	Sandalwood ..	..	2,719	27,487	..	1,938	18,523	..	..
	Vengai	..	6,090	4,568	..	6,503	4,876	..	..
	Teak	..	2	2	..	735	735	..	..
	Rosewood ..	..	30	30	..	2,236	2,235	..	..
	Karimarudu or Maddi.	..	..	..	..	266	198	..	..
	Miscellaneous ..	..	† 3,026	2,169	..	1,701	1,166	..	..
	Total, Timber ..	..	11,867	34,256	..	13,379	27,733	..	6,523
	Fuel	..	8,570	946	..	45,638	2,535	1,589	..
	Bamboos.. ..	..	..	..	8,500	..	383	383	..
	Minor produce ..	MDS. 21,705	..	12,520	MDS. 3,559	..	5,441	..	7,079
South Coimbatore.	Teak	..	7,207	18,767	..	10,690	‖ 21,503	..	..
	Rosewood ..	..	853	1,359	..	454	885	..	..
	Ironwood ..	..	658	357	..	177	105	..	..
	Vengai	..	2,035	1,845	..	3,694	3,354	..	..
	Karimarudu ..	..	2,954	2,298	..	3,253	2,431	..	..
	White cedar ..	..	1,041	748	..	535	397	..	..
	Red cedar ..	..	..	..	..	308	230	..	..
	Venteak	..	..	..	..	51	48	..	..
	Miscellaneous ..	..	18,040	11,660	..	17,770	¶ 11,572	..	..
	Total, Timber ..	..	32,788	37,034	..	36,932	40,525	3,491	..
	Fuel	..	35,698	2,539	..	§ 20,347	3,659	1,120	..
	Bamboos ..	179	..	6	‡ 572	..	27	21	..
	Minor produce ..	MDS. 311	..	870	211	..	863	..	7
Madura ..	Timber	..	580	1,739	..	547	134	..	1,605
	Fuel	..	4,773	382	..	7,838	627	245	..
	Bamboos ..	..	..	..	2	..	** 27	27	..
Tinnevelly..	Teak	..	488	†† 3,262	..	866	‡‡ 800	..	..
				1,525			1,750		
	Miscellaneous ..	..	3,747	1,788	..	6,349	1,146	..	..
							§§ 328		
	Total, Timber..	..	4,235	6,575	..	7,215	4,024	..	2,551
	Fuel	..	486	25	..	11,153	631	606	..
	Bamboos ..	1,773	..	887	977	..	200	..	687
	Minor produce ..	..	..	..	MDS. 8	..	24	24	..

* The major portion of this wood consists of plantation teak logs and timber obtained from selection fellings in Kariem and Muriem forests.

† Revised figure.

‡ Form No. 57 shows only 560 bamboos. The discrepancy has not been explained.

§ Includes Rs. 162, the value of 265 bags of charcoal.

‖ Includes Rs. 2,063 being the value of the 2,942 door frames, window frames, spokes and felloes, the volume of which has not been reported.

¶ Includes Rs. 266 being the value of 141 door frames, etc., the volume of which is not known.

** Value of 54 bags of charcoal.

†† Value of 3,336 teak poles, the volume of which has not been reported.

‡‡ Value of 2,185 do. do. do.

§§ Value of 513 pieces and $40\frac{7}{8}$ sets of agricultural implements.

Statement showing the value of Timber and other Produce at sale depots, etc.—*cont.*

District.	Description of timber or produce.	On hand at commencement of the year.			On hand at close of the year.			Difference in value.	
		Number.	Cubic feet.	Value.	Number.	Cubic feet.	Value.	In favour of the year.	Against the year.
1	2	3	4	5	6	7	8	9	10
				ABSTRACT.					
				RS.			RS.	RS.	RS.
Northern Circle.	Timber	...	33,908	11,902	..	37,091	18,644	6,742	..
	Fuel	..	2,149,379	1,36,150	..	2,363,278	1,34,019	..	2,131
	Bamboos ..	12,30	..	46	48,262	..	499	453	..
	Minor produce ..	MDS. 12,271	..	3,295	MDS. 29,801	..	9,414	6,119	..
Central Circle.	Timber	..	59,219	18,800	..	36,464	16,080	..	2,720
	Fuel	..	524,445	31,375	..	642,511	47,845	16,470	..
	Bamboos ..	194	..	24	25,164	..	935	911	..
	Minor produce ..	MDS. 14,894	..	5,457	MDS. 15,547	..	4,915	..	542
Southern Circle.	Timber	..	353,728	2,61,106	..	422,649	3,27,598	66,492	..
	Fuel	..	189,402	10,779	..	146,774	12,353	1,574	..
	Bamboos ..	10,102	..	1,228	38,271	..	1,868	640	..
	Minor produce ..	MDS. 22,253	..	15,641	MDS. 3,980	..	7,052	..	8,589
Grand Total, Presidency.	Timber	..	446,855	2,91,808	..	496,204	3,62,322	70,514	..
	Fuel	..	2,863,217	1,78,304	..	3,152,563	1,94,217	15,993	..
	Bamboos ..	22,600	..	1,298	111,697	..	3,302	2,004	..
	Minor produce ..	MDS. 49,418	..	24,393	MDS. 49,328	..	21,381	..	3,012
	Total value ..	..	..	4,95,803	..	..	5,81,222	85,419	..

LIBRARY OF THE BOMBAY BRANCH OF THE ROYAL SOCIETY.

ANNUAL

SUMMARY of Revenue of the different districts

Budget heads.	Northern						
	Direction.	Ganjám.	Vizagapatam.	Gódávari.	Kistna.	Guntúr.	Kurnool, West.
1	2	3	4	5	6	7	8
Receipts.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
I. Timber and other produce removed from the forests by Government Agency—							
(*a*) Timber	..	1,906	1,285	292	267	2,211	16,949
(*b*) Firewood and charcoal	..	3,420	7,446	19,642	14,798	23,772	21,218
(*c*) Bamboos	..	2,215	53	..	..	..	25,581
(*d*) Sandalwood	..	..	..	..	..	..	..
(*e*) Grass and other minor produce	..	..	420	..	165	954	1,225
II. Timber and other produce removed from the forests by consumers or purchasers—							
(*a*) Timber	..	23,085	5,669	25,451	3,530	6,286	11,238
(*b*) Firewood and charcoal	..	4,284	3,454	9,176	12,216	9,254	4,369
(*c*) Bamboos	..	6,147	13,044	54,488	2,774	..	1
(*d*) Grazing and fodder grass	..	11,068	4,755	19,302	22,977	57,221	22,858
(*e*) Other produce	..	2,842	12,983	31,138	11,196	15,040	22,371
(*f*) Tree owners' fees	..	607	296	3,459	5,883	5,679	18,598
III. Confiscated drift and waifwood	..	255	42	5,595	105	52	543
IV. Revenue from forests not managed by Government	..	..	..	..	..	..	..
V. Miscellaneous—							
(*a*) Fines and forfeitures	..	22	..	306	141	..	42
(*b*) Other sources	30	1,139	1,802	2,697	2,152	6,390	4,900
Total, Receipts	30	56,990	51,249	1,71,540	76,204	1,26,859	1,49,893

Budget heads.	Central Circle—*cont.*					
	South Arcot.	North Salem.	South Salem.	Trichinopoly.	Tanjore.	Total.
	20	21	22	23	24	25
Receipts.	RS.	RS.	RS.	RS.	RS.	RS.
I. Timber and other produce removed from the forests by Government Agency—						
(*a*) Timber	40	7,564	1,204	..	..	38,705
(*b*) Firewood and charcoal	2,904	23,028	24,427	44,968	1,883	1,75,522
(*c*) Bamboos	23	3,467	11	250	..	3,752
(*d*) Sandalwood	67	3,051	1,528	..	..	70,855
(*e*) Grass and other minor produce	123	838	80	274	9	9,715
II. Timber and other produce removed from the forests by consumers or purchasers—						
(*a*) Timber	9,112	3,064	3,877	1,515	757	40,694
(*b*) Firewood and charcoal	33,358	2,075	5,133	12,589	8,691	1,20,696
(*c*) Bamboos	3,009	9,562	18,506	1,177	320	67,394
(*d*) Grazing and fodder grass	45,000	35,408	24,184	19,159	886	2,89,583
(*e*) Other produce	29,588	9,730	14,567	17,277	6,582	2,33,253
(*f*) Tree owners' fees	2,043	2,240	376	1	68	25,415
III. Confiscated drift and waifwood	520	30	181	91	3	4,874
IV. Revenue from forests not managed by Government	..	..	..	..	..	..
V. Miscellaneous—						
(*a*) Fines and forfeitures	1,088	143	391	31	1	2,670
(*b*) Other sources	911	5,592	9,209	8,334	3,521	40,557
Total, Receipts	1,27,786	1,05,762	1,03,674	1,05,666	22,721	11,23,685

(*a*) Actuals for three months

* On account of Cuddapah .. .. RS. 4,863; On account of North Malabar .. RS. 8,833; On account of South Coimbatore .. RS. 1,791; Total .. RS. 15,487

† On account of Nellore .. RS. 22,826; On account of North Arcot .. .. RS. 3,717; On account of North Salem .. .. RS. 550; On account of Vizagapatam .. .. RS. 1,843; Total .. RS. 28,936

‡ On account of North Salem .. .. RS. 11,397; On account of North Coimbatore .. RS. 28,000; Total .. RS. 39,397

§ On account of Nellore.

|| On account of Nellore .. .. RS. 20,873; On account of Vizagapatam .. RS. 675; Total .. RS. 21,548

FORM No. 59.

for the Forest year 1905–1906.

Circle.				Central Circle.						
Kurnool, East.	Bellary.	Anantapur.	Total.	Direction.	Nellore.	Cuddapah, South.	Cuddapah, North.	Cuddapah, West.	Chingleput.	North Arcot.
9	10	11	12	13	14	15	16	17	18	19
RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
8,449	1,596	180	33,135	* 15,487	177	11,911	735	223	8	1,356
79,402	22,385	3,054	1,95,137	† 28,936	10,326	5,443	266	168	2,888	30,285
10,961	8	246	39,064	..	..	1	..	..	..	..
..	..	..	..	‡ 39,397	..	..	..	..	..	26,812
1,815	1,492	2	6,073	§ 3,729	1,356	2,401	..	65	..	840
606	10,978	4,506	91,349	..	2,740	9,178	396	724	1,632	7,699
1,257	6,902	2,552	53,464	‖ 21,548	4,055	12,481	639	547	7,374	12,206
1,446	2,714	139	80,753	¶ 1,500	28	7,376	411	646	33	24,826
36,818	48,016	22,923	2,45,938	..	48,478	62,945	45	849	9,033	43,596
2,873	28,307	43,997	1,70,747	** 39,363	24,592	49,448	2,009	3,095	9,159	27,843
4,290	30,178	14,685	83,675	..	3,057	7,413	32	459	2,726	7,000
300	129	209	7,230	..	1,937	539	4	6	89	1,474
..	..	..	..	..	..	..	..	..	..	..
..	850	807	2,162	§ 219	417	103	..	1	34	272
5,439	4,394	1,584	30,527	†† 7,609	3,499	547	7	15	348	965
1,53,656	1,57,949	94,884	10,39,254	‡‡1,57,788	1,00,662	1,69,786	(a)4,544	(a)6,798	33,324	1,85,174

Southern Circle.									
Direction.	The Nilgiris.	North Coimbatore.	South Coimbatore.	Madura.	Tinnevelly.	North Malabar.	South Malabar.	South Canara.	Total.
26	27	28	29	30	31	32	33	34	35
RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
..	14,652	2,648	59,320	6	2,690	11,517	45,900	9,188	1,45,921
.	16,876	3,981	34,819	97,917	1,601	2	4,022	19,874	1,79,092
..	..	358	63	..	239	38	1,394	441	2,533
..	2,490	33,516	..	..	..	..	..	..	36,006
..	1,961	15,233	2,654	..	324	3,364	66	14,610	38,212
..	1,475	5,037	3,929	13,821	906	672	4,012	6,910	36,762
..	2,928	6,711	6,066	37,412	46,526	55	..	11,689	1,11,387
..	2,654	11,571	8,143	3,369	1,168	298	362	1,453	29,018
..	9,546	59,321	10,642	31,210	6,390	2,775	64	7,368	1,27,316
..	1,022	8,025	7,220	28,578	29,817	3,312	2,091	16,978	97,043
..	..	35	..	6	..	..	2	3,278	3,321
..	68	652	244	287	1,427	58	1,111	2,510	6,357
..	..	..	..	..	..	..	..	..	..
22	..	51	21	510	428	10	10	253	1,305
160	5,686	5,045	16,824	13,653	3,415	4,895	1,935	8,067	59,680
182	59,358	1,52,184	1,49,945	2,26,769	94,931	26,956	60,969	1,02,619	8,73,953

(a) only from April to June 1906.

¶ On account of North Arcot.

** On account of Nellore .. .. RS. 38,525
On account of Chingleput .. 813
On account of South Coimbatore 25
Total .. 39,363

†† Direction .. 17
Nellore 3,918
North Arcot .. 2
South Salem .. 1,092
Bellary 480
South Coimbatore 2,100
Total .. 7,609

‡‡ On account of Northern Circle. RS. 2,998
On account of Central Circle .. 1,14,041
On account of Southern Circle. 40,749
Total .. 1,57,788

E. S. HENSMAN,
Chief Superintendent.

Forest Department, Madras Presidency, Northern Circle.

SUMMARY of Expenditure of the different Districts for the Forest year 1905-1906.

Budget heads.	Direction.	Ganjam.	Vizagapatam.	Godavari.	Kistna.	Guntur.	Kurnool, West.	Kurnool, East.	Bellary.	Anantapur.	Total.
	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
I.—REFUNDS AND DRAWBACKS.	..	19	16	597	340	1,084	984	228	930	175	4,373
A. Conservancy and Works.											
I. Timber and other produce removed from the forests by Government Agency—											
(*a*) Timber	..	260	310	..	119	1,275	9,370	9,222	755	325	21,636
(*b*) Firewood and charcoal ..	..	778	7,420	10,525	11,287	11,371	19,804	32,829	12,810	3,335	1,10,159
(*c*) Bamboos ..	..	1,178	..	..	..	..	15,066	6,866	37	151	23,298
(*d*) Sandalwood ..	..	..	..	..	..	..	..	..	..	..	..
(*e*) Grass and other minor produce.	..	..	82	..	107	3,063	2,999	4,886	1,986	..	13,123
II. Timber and other produce removed from the forests by consumers or purchasers	..	6,144	4,882	14,624	2,526	1,578	11,641	7,474	4,505	1,997	55,371
III. Confiscated, drift and waifwood	..	32	..	1,052	15	182	266	22	1	1	1,571
V. Rent of leased forests and payments to shareholders in forests managed by Government	..	..	400	..	..	..	..	..	10,000	..	10,400
VI. Live-stock, stores, tools and plant—											
(*a*) Purchase of cattle	..	1,000	..	..	..	..	..	..	636	..	1,636
(*b*) Feed and keep of cattle	..	66	921	689	..	..	954	6,965	4,226	..	13,821
(*c*) Stores, tools and plant	1,769	283	656	1,561	143	1,660	2,232	3,185	1,701	362	13,552
VII. Communications and buildings—											
(*a*) Roads and bridges ..	..	126	183	4,554	208	481	858	1,207	40	839	8,496
(*b*) Buildings ..	100	2,707	936	7,520	951	4,937	11,842	7,665	414	5,491	42,563
(*c*) Other works ..	..	493	130	799	489	266	24	254	560	76	3,091
VIII. Demarcation, improvement and extension of forests—											
(*a*) Demarcation ..	..	1,883	34	1,346	633	1,933	819	1,640	1,257	2,037	11,582
(*b*) Cost of forest settlement; compensation for land and rights.	3,775	258	..	..	..	95	1,803	573	53	1,277	7,834
(*c*) Surveys—											
(1) Local ..	..	435	..	1,439	611	1,025	1,109	191	560	345	5,715
(2) India ..	39,131	..	..	..	..	..	..	..	..	..	39,131
(*d*) Working plans ..	..	8	..	288	..	..	12	..	20	..	328
(*e*) Sowing and planting	2,122	1,445	143	5,874	3,276	2,036	14,925	2,517	813	2,203	35,354
(*f*) Protection from fire	..	2,813	199	7,451	434	137	2,618	10,076	1,313	893	25,934
(*g*) Other works ..	..	5	..	145	2,832	5,222	56	1	16,728	3,521	28,510
IX. Miscellaneous—											
(*a*) Law charges ..	..	..	..	1	..	..	..	..	..	..	1
(*b*) Other charges ..	3	12	91	50	103	95	218	26	20	38	656
Total, A. Conservancy and Works	46,900	19,945	16,403	58,515	24,074	36,440	97,600	95,827	59,365	23,066	4,78,135

MADRAS,
1st September 1906.

E. S. HENSMAN,
Chief Superintendent.

Forest Department, Madras Presidency, Central Circle.

Summary of Expenditure of the different Districts for the Forest year 1905-1906—*cont.*

Budget heads.	Direction.	Nellore.	Cuddapah, South.	Cuddapah, North.	Cuddapah, West.	Chingleput.	North Arcot.	South Arcot.	North Salem.	South Salem.	Trichinopoly.	Tanjore.	Total.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
I. Refunds and Drawbacks.	..	1,693	210	..	..	5	463	1,964	806	210	354	1,546	7,251
A. Conservancy and Works.													
I. Timber and other produce removed from the forests by Government Agency—													
(*a*) Timber ..	..	30	5,107	31	79	..	402	..	4,754	1,243	..	..	11,646
(*b*) Firewood and charcoal ..	— 203	19,189	3,125	61	25	2,839	19,698	883	24,655	23,999	34,932	1,932	1,31,135
(*c*) Bamboos ..	..	..	13	..	..	..	..	25	2,750	..	330	..	3,118
(*d*) Sandalwood ..	..	..	..	..	..	..	1,356	..	543	135	..	..	2,034
(*e*) Grass and other minor produce ..	..	1,598	941	20	225	23	660	80	1,354	86	19	..	5,006
II. Timber and other produce removed from the forests by consumers or purchasers ..	..	5,460	15,638	597	920	1,177	4,042	2,016	3,298	3,967	2,532	494	40,141
III. Confiscated, drift and waifwood	..	..	7	..	..	..	105	..	5	3	6	..	126
V. Rent of leased forests and payments to shareholders in forests managed by Government	..	..	..	..	..	..	..	..	100	..	..	..	100
VI. Live-stock, stores, tools and plant—													
(*a*) Purchase of cattle ..	..	..	..	..	..	..	300	..	..	..	..	..	300
(*b*) Feed and keep of cattle ..	..	..	..	..	..	..	302	..	..	..	..	..	302
(*c*) Stores, tools and plant ..	36	1,503	336	..	..	93	330	62	1,244	597	185	157	4,543
VII. Communications and buildings—													
(*a*) Roads and bridges ..	..	..	1,325	748	..	548	2,042	264	1,501	2,860	544	..	9,832
(*b*) Buildings .	12	2,297	2,619	14	212	1,550	4,505	2,800	3,220	2,578	1,076	17	20,900
(*c*) Other works ..	..	460	181	..	12	19	139	41	2,399	153	28	..	3,432
VIII. Demarcation, improvement and extension of forests—													
(*a*) Demarcation ..	..	380	643	..	19	1,239	547	698	453	1,200	1,516	..	6,695
(*b*) Cost of forest settlement; compensation for land and rights ..	..	9	258	29	..	..	30	..	..	633	..	..	959
(*c*) Surveys—													
(1) Local ..	296	365	300	..	30	437	366	237	1,451	1,145	356	6	4,989
(2) India ..	1,903	..	..	..	..	..	..	..	..	..	..	..	1,903
(*d*) Working plans.	..	95	43	..	..	6	..	76	30	504	..	..	754
(*e*) Sowing and planting ..	— 243	10,216	983	26	61	620	3,191	2,397	326	477	2,227	1,448	21,729
(*f*) Protection from fire	..	1,306	4,967	425	713	464	2,439	2,192	897	1,888	146	..	15,437
(*g*) Other works ..	..	2,115	5,698	225	209	5,603	11,993	11,284	4,279	4,945	3,446	421	50,218
IX. Miscellaneous—													
(*a*) Law charges ..	1	1	6	..	..	..	9	2	13	30	..	..	62
(*b*) Other charges ..	..	231	..	..	..	103	55	3	13	89	..	15	509
Total, A. Conservancy and Works	1,802	46,948	42,400	(*a*)2,176	(*a*)2,505	14,726	52,974	25,024	54,091	46,742	47,697	6,036	3,43,121

(*a*) Actuals for three months from April to June 1906.

MADRAS,
1st September 1906.

E. S. HENSMAN,
Chief Superintendent.

Forest Department, Madras Presidency, Southern Circle.

Summary of Expenditure of the different Districts for the Forest year 1905–1906—*cont*

Budget heads.	Direction.	The Nilgiris.	North Coimbatore.	South Coimbatore.	Madura.	Tinnevelly.	North Malabar.	South Malabar.	South Canara.	Total.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
I. Refunds and Drawbacks.	6	156	1,293	581	926	1,508	101	..	214	4,785
A. Conservancy and Works.										
I. Timber and other produce removed from the forests by Government Agency—										
(*a*) Timber ..	..	2,873	1,992	27,260	..	1,496	14,213	17,359	2,388	67,581
(*b*) Firewood and charcoal ..	..	14,822	4,773	20,736	70,357	865	97	422	13,650	1,25,722
(*c*) Bamboos ..	..	..	411	133	..	1	295	927	438	2,205
(*d*) Sandalwood ..	..	245	7,980	..	..	— 36	..	..	..	8,189
(*e*) Grass and other minor produce.	..	986	4,186	2,742	..	223	1,030	4	3,013	12,184
II. Timber and other produce removed from the forests by consumers or purchasers ..	..	1,228	3,400	5,684	3,741	2,431	680	..	5,350	22,514
III. Confiscated, drift and waifwood	..	1	18	92	6	2	35	88	34	276
V. Rent of leased forests and payments to shareholders in forests managed by Government	..	4,500	..	2,500	..	..	13	459	..	7,472
VI. Live-stock, stores, tools and plant—										
(*a*) Purchase of cattle ..	..	..	..	10,647	..	..	3,740	1,583	..	15,970
(*b*) Feed and keep of cattle ..	2	9,691	..	34,299	..	..	12,938	12,192	7,029	76,151
(*c*) Stores, tools and plant ..	1,957	771	887	3,709	825	605	1,696	707	6,532	17,689
VII. Communications and buildings—										
(*a*) Roads and bridges ..	..	2,782	6,824	2,921	5,316	5,145	4,390	1,910	241	29,529
(*b*) Buildings ..	..	3,909	2,673	3,274	4,888	3,148	3,970	1,268	1,941	25,071
(*c*) Other works ..	..	133	405	761	102	96	28	294	65	1,884
VIII. Demarcation, improvement and extension of forests—										
(*a*) Demarcation ..	..	1,144	878	239	6,918	600	3,360	170	1,122	14,431
(*b*) Cost of forest settlement; compensation for land and rights ..	..	20	289	..	..	409	5,474	451	14,853	21,496
(*c*) Surveys—										
(1) Local ..	220	360	360	1,589	411	360	..	370	947	4,617
(2) India ..	30,538	..	..	..	..	..	..	..	..	30,538
(*d*) Working plans.	448	4	..	..	..	11	3	— 30	..	436
(*e*) Sowing and planting ..	653	1,023	153	561	166	1,912	4,920	8,905	357	18,650
(*f*) Protection from fire	..	2,288	1,750	3,094	2,511	2,416	3,519	2,182	2,035	19,795
(*g*) Other works ..	— 100	1,271	5,708	2,259	8,721	4,211	1,664	1,112	204	25,050
IX. Miscellaneous—										
(*a*) Law charges ..	1	..	1	..	..	405	2	3	— 148	264
(*b*) Other charges ..	1,123	3,171	350	747	135	91	84	292	83	6,076
Total, A. Conservancy and Works	34,848	51,378	44,331	1,23,828	1,05,023	25,899	62,252	50,668	60,348	5,58,575

Madras,
1*st September* 1906.

E. S. Hensman,
Chief Superintendent.

SUMMARY of Expenditure of the different Districts for the Forest year 1905–1906.

SUMMARY of Expenditure of the different Districts

Budget heads.	Northern Circle.											Central			
	Direction.	Ganjám.	Vizagapatam.	Gódávari.	Kistna.	Guntúr.	Kurnool, West.	Kurnool, East.	Bellary.	Anantapur.	Total.	Direction.	Nellore.	Cuddapah, South.	Cuddapah, North.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
B.—"*Establishments.*"	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Brought forward, Total A "Conservancy and Works."	46,900	19,945	16,403	58,515	24,074	36,440	97,600	95,827	59,365	23,066	4,78,135	1,802	46,948	42,400	2,176
Salaries—															
(*a*) Conservators ..	17,307	..	..	..	..	..	..	..	..	..	17,307	21,374	..	..	..
(*b*) Superior officers..	7,600	10,950	6,307	12,100	4,883	6,600	11,375	7,305	11,485	6,600	85,205	4,100	6,775	8,804	300
(*c*) Subordinate forest and depot establishments ..	1,003	10,568	4,472	11,917	4,311	4,768	13,718	11,893	10,531	7,634	80,815	2,016	11,798	14,452	694
(*d*) Office establishments	9,913	3,157	2,577	5,799	2,286	3,414	4,765	4,240	3,745	3,074	42,970	9,033	6,621	4,564	166
(*e*) Deputation and special allowances	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Exchange compensation allowance	602	684	306	511	..	413	505	..	553	412	3,986	903	..	520	..
II. Travelling allowances—															
(*a*) Conservators ..	3,833	..	..	..	..	..	..	..	..	..	3,833	2,545	..	..	..
(*b*) Superior officers.	2,051	2,643	1,216	2,873	1,181	1,948	3,631	2,626	2,311	1,844	22,324	1,041	1,172	1,164	71
(*c*) Subordinate forest and depot establishments.	354	2,180	1,665	4,118	1,130	1,780	4,268	3,812	2,782	1,714	23,803	401	3,042	4,332	307
(*d*) Office establishments	1,961	495	334	1,451	602	791	945	860	688	797	8,924	1,108	639	611	47
III. Contingencies—															
(*a*) Rents, rates and taxes	251	94	426	252	147	138	453	108	161	71	2,101	76	129	293	2
(*b*) Official postage.	764	575	397	1,897	858	938	1,181	999	1,154	1,291	10,054	952	661	914	48
(*c*) Service telegrams.	342	71	38	36	56	65	64	86	219	28	1,005	83	34	39	1
(*d*) Sundries ..	1,939	1,070	820	2,777	861	1,095	1,732	1,465	1,594	723	14,076	1,286	1,682	1,017	47
Total B.—"Establishments".	47,920	32,487	18,558	43,731	16,315	21,950	42,637	33,394	35,223	24,188	3,16,403	44,918	32,553	36,710	*1,683
Grand Total of Expenditure.	94,820	52,432	34,961	1,02,246	40,389	58,390	1, 0,237	1,29,221	94,588	47,254	7,94,538	46,720	79,501	79,110	*3,859

* Actuals for three

MADRAS,
1*st September* 1906.

for the Forest year 1905–1906.

Circle.									Southern Circle.									
Cuddapah, West.	Chingleput.	North Arcot.	South Arcot.	North Salem.	South Salem.	Trichinopoly.	Tanjore.	Total.	Direction.	The Nilgiris.	North Coimbatore.	South Coimbatore.	Madura.	Tinnevelly.	North Malabar.	South Malabar.	South Canara.	Total.
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
2,505	14,726	52,974	25,024	54,091	46,742	47,697	6,036	3,43,121	34,848	51,378	44,331	1,23,828	1,05,023	25,899	62,252	50,668	60,348	5,58,575
..	..	..	..	..	..	..	..	21,374	17,170	..	..	..	..	..	..	..	..	17,170
800	4,800	15,599	12,600	3,728	14,177	7,628	179	79,490	15,683	12,000	11,660	10,204	8,400	9,147	12,000	2,100	7,942	89,136
1,069	6,158	15,749	10,611	7,892	9,646	8,570	1,569	90,224	6,104	10,935	10,269	14,382	11,029	10,759	7,914	6,222	10,479	88,093
410	2,170	4,360	4,315	3,141	4,339	2,940	838	42,897	9,453	4,024	4,846	4,419	3,921	3,665	3,391	2,987	4,366	41,072
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
50	..	759	675	..	431	265	50	3,653	1,080	600	575	450	488	427	675	22	488	4,805
..	..	..	..	..	..	..	..	2,545	2,708	..	..	..	..	..	..	..	..	2,708
307	727	2,706	1,464	891	2,176	1,026	221	12,966	3,861	2,770	2,678	2,051	1,504	1,500	1,200	676	1,268	17,508
279	1,444	3,907	2,249	2,507	3,189	2,720	776	25,153	3,514	2,143	3,315	3,698	5,453	3,061	1,936	2,027	3,009	28,156
169	376	621	681	548	376	552	198	5,926	1,253	219	717	674	1,169	679	635	393	584	6,323
32	25	152	134	49	45	53	6	1,001	159	136	236	352	237	286	60	49	11	1,526
71	672	1,796	2,055	1,102	1,094	609	206	10,190	824	448	1,256	866	1,195	837	520	468	1,126	7,540
14	2	66	18	66	15	55	19	412	129	42	21	91	80	76	71	74	43	627
176	1,385	569	1,125	874	1,088	807	161	10,217	1,898	644	2,116	1,192	1,137	553	940	560	745	9,785
*3,377	17,759	46,284	35,937	20,798	36,576	25,230	4,223	3,06,048	63,836	33,961	37,689	38,379	34,613	30,990	29,342	15,578	30,061	3,14,449
*5,882	32,485	99,258	60,961	74,889	83,318	72,927	10,259	6,49,169	98,684	85,339	82,020	1,62,207	1,39,636	56,889	91,594	66,246	90,409	8,73,024

months from April to June 1906.

E. S. Hensman,
Chief Superintendent

SUMMARY of Receipts and Expenditure during 1905–1906 for each circle and for the Presidency compiled in the Board's office from the Accountant-General's statement.

Budget heads.	Northern Circle.	Central Circle.	Southern Circle.	Grand Total, Presidency.	
				1905–1906.	1904–1905.
1	2	3	4	5	6
RECEIPTS.	Rs.	Rs.	Rs.	Rs.	Rs.
I. Timber and other produce removed from the forests by Government Agency—					
(a) Timber	33,135	28,081	1,56,545	2,17,761	2,07,831
(b) Firewood and charcoal	1,96,980	1,73,679	1,79,092	5,49,751	4,23,664
(c) Bamboos	39,064	3,752	2,533	45,349	5,121
(d) Sandalwood	..	42,855	64,006	1,06,861	27,411
(e) Grass and other minor produce	6,073	9,715	38,212	54,000	42,959
Total, I	2,75,252	2,58,082	4,40,388	9,73,722	7,06,986
II. Timber and other produce removed from the forests by consumers or purchasers—					
(a) Timber	91,349	40,694	36,762	1,68,805	1,96,429
(b) Firewood and charcoal	54,139	1,20,021	1,11,387	2,85,547	3,65,682
(c) Bamboos	80,753	67,394	29,018	1,77,165	1,98,739
(d) Grazing and fodder grass	2,45,938	2,89,583	1,27,316	6,62,837	6,27,474
(e) Other produce	1,70,747	2,33,228	97,068	5,01,043	4,92,501
(f) Tree-owners' fees	83,675	25,415	3,321	1,12,411	1,01,596
Total, II	7,26,601	7,76,335	4,04,872	19,07,808	19,82,421
III. Confiscated drift and waifwood	7,230	4,874	6,357	18,461	13,171
V. Miscellaneous—					
(a) Fines and forfeitures	2,162	2,670	1,305	6,137	6,022
(b) Other sources	31,007	37,977	61,780	1,30,764	1,21,942
Total, V	33,169	40,647	63,085	1,36,901	1,27,964
Grand Total, Receipts	10,42,252	10,79,938	9,14,702	30,36,892	28,30,542
EXPENDITURE.					
I. Refunds and drawbacks	4,373	7,251	4,785	16,409	15,023
A.—Conservancy and Works.					
I. Timber and other produce removed from the forests by Government Agency—					
(a) Timber	21,636	11,646	67,581	1,00,863	93,012
(b) Firewood and charcoal	1,10,159	1,31,135	1,25,722	3,67,016	3,11,437
(c) Bamboos	23,298	3,118	2,205	28,621	6,169
(d) Sandalwood	..	2,034	8,189	10,223	5,556
(e) Grass and other minor produce	13,123	5,006	12,184	30,313	30,821
Total, A-I	1,68,216	1,52,939	2,15,881	5,37,036	4,46,995
II. Timber and other produce removed from the forests by consumers or purchasers	55,371	40,141	22,514	1,18,026	1,18,415
III. Confiscated drift and waifwood	1,571	126	276	1,973	1,382
V. Rent of leased forests and payments to shareholders in forests managed by Government	10,400	100	7,472	17,972	22,118
VI. Live-stock, stores, tools and plant—					
(a) Purchase of cattle	1,636	300	15,970	17,906	10,425
(b) Feed and keep of cattle	13,821	302	76,151	90,274	69,146
(c) Stores, tools and plant	13,552	4,543	17,689	35,784	29,403
Total, A-VI	29,009	5,145	1,09,810	1,43,964	1,08,974
VII. Communications and buildings—					
(a) Roads and bridges	8,496	9,832	29,529	47,857	41,650
(b) Buildings	42,563	20,900	25,071	88,534	70,747
(c) Other works	3,091	3,432	1,884	8,407	13,691
Total, A-VII	54,150	34,164	56,484	1,44,798	1,26,088
VIII. Demarcation, improvement and extension of forests—					
(a) Demarcation	11,582	6,695	14,431	32,708	32,927
(b) Cost of forest settlement, compensation for land and rights	7,834	959	21,496	30,289	10,380
(c) (1) Local surveys	5,715	4,989	4,617	15,321	12,673
(c) (2) Surveys of India	39,131	1,903	30,538	71,572	84,115
(d) Working plans	328	754	436	1,518	2,118
(e) Sowing and planting	35,354	21,729	18,650	75,733	50,979
(f) Protection from fire	25,934	15,437	19,795	61,166	55,147
(g) Other works	28,510	50,218	25,050	1,03,778	83,965
Total, A-VIII	1,54,388	1,02,684	1,35,013	3,92,085	3,32,304

Summary of Receipts and Expenditure during 1905–1906 for each circle and for the Presidency compiled in the Board's office from the Accountant-General's statement—*cont.*

Budget heads.	Northern Circle.	Central Circle.	Southern Circle.	Grand Total, Presidency.	
				1905–1906.	1904–1905.
1	2	3	4	5	6
EXPENDITURE—*cont.*					
A.—Conservancy and Works—cont.	Rs.	Rs.	Rs.	Rs.	Rs.
IX Miscellaneous—					
(*a*) Law charges	1	62	264	327	808
(*b*) Other charges	656	509	6,076	7,241	6,046
Total, A-IX ..	657	571	6,340	7,568	6,854
Total, A.—Conservancy and Works inclusive of Refunds.	4,78,135	3,43,121	5,58,575	13,79,831	11,78,153
B.—Establishments.					
I. Salaries—					
(*a*) Conservators	17,307	21,374	17,170	55,851	55,358
(*b*) Superior officers	85,205	79,490	89,136	2,53,831	2,48,797
(*c*) Subordinate forest and depot establishments.	80,815	90,224	88,093	2,59,132	2,45,635
(*d*) Office establishments	42,970	42,897	41,072	1,26,939	1,24,879
(*e*) Deputation and special allowances	..	..	..	..	..
(*f*) Exchange compensation allowance	3,986	3,653	4,805	12,444	13,930
Total, B-I ..	2,30,283	2,37,638	2,40,276	7,08,197	6,88,599
II. Travelling allowances—					
(*a*) Conservators	3,833	2,545	2,708	9,086	11,610
(*b*) Superior officers	22,324	12,966	17,508	52,798	50,576
(*c*) Subordinate forest and depot establishments.	23,803	25,153	28,156	77,112	68,684
(*d*) Office establishments	8,924	5,926	6,323	21,173	20,480
Total, B-II ..	58,884	46,590	54,695	1,60,169	1,51,350
III. Contingencies—					
(*a*) Rents, rates and taxes	2,101	1,001	1,526	4,628	4,922
(*b*) Official postage	10,054	10,190	7,540	27,784	26,194
(*c*) Service telegrams	1,005	412	627	2,044	1,804
(*d*) Sundries	14,076	10,217	9,785	34,078	33,458
Total, B-III ..	27,236	21,820	19,478	68,534	66,378
Total, B.—Establishments ..	3,16,403	3,06,048	3,14,449	9,36,900	9,06,327
Grand Total, Expenditure ..	7,94,538	6,49,169	8,73,024	23,16,731	20,84,480
Surplus ..	2,47,714	4,30,769	41,678	7,20,161	7,46,062
Total ..	10,42,252	10,79,938	9,14,702	30,36,892	28,30,542

ANNUAL FORM NO. 60.

Forest Department, Madras Presidency.

OUTSTANDINGS and Liabilities on account of Contractors and Disbursers for the Forest year 1905–1906.

	District.	Department Debtor.			Department Creditor.			Balance Due	
		At commencement of year.	Recoveries in cash and value of supplies and work done during the year.	At close of year.	At commencement of year.	Payments made during year.	At close of year.	To department (outstandings).	By department (liabilities).
			RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A.	
Northern Circle.	Conservator, Northern Circle	..	3,057 15 0	3,057 15 0	36 11 5	3,460 2 6	3,496 13 11	457 14 9	..
	Forest Settlement-officer, Kistna, etc., districts..	..	301 2 8	301 2 8	32 10 6	287 8 0	320 2 6		
	Ganjám	..	37,672 15 6	37,672 15 6	1,019 14 5	37,796 15 4	38,816 13 9	1,143 14 3	..
	Vizagapatam	..	25,784 11 5	25,784 11 5	570 11 8	26,153 11 8	26,724 7 4	939 11 11	..
	Gódávari	..	96,453 11 9	96,453 11 9	3,245 5 3	94,746 15 6	97,992 4 9	1,538 9 0	..
	Kistna	..	37,722 10 0	37,722 10 0	610 8 6	37,997 15 3	38,608 7 9	885 13 9	..
	Guntúr	..	57,816 1 11	57,816 1 11	2,007 13 6	59,231 0 10	61,238 14 4	3,422 12 5	..
	Kurnool West	..	1,61,409 14 9	1,61,409 14 9	3,055 1 6	1,63,939 1 5	1,66,994 2 11	5,584 4 2	..
	Do. East	..	1,26,203 1 10	1,26,203 1 10	4,576 15 9	1,28,956 9 5	1,33,533 9 2	7,330 7 4	..
	Bellary	..	96,870 6 3	96,870 6 3	1,949 11 8	1,03,710 4 10	1,05,660 0 6	8,789 10 3	..
	Anantapur	..	36,267 9 11	36,267 9 11	932 8 1	35,881 9 6	36,814 1 7	546 7 8	..
	Total ..	..	6,79,560 5 0	6,79,560 5 0	18,038 0 3	6,92,161 14 3	7,10,199 14 6	30,639 9 6	..
Central Circle.	Conservator, Central Circle	..	6,765 1 7	6,765 1 7	39 4 0	6,754 10 4	6,793 14 4	28 12 9	..
	Nellore	..	60,818 14 7	60,818 14 7	537 3 9	61,513 5 5	62,050 9 2	1,231 10 7	..
	Cuddapah South ..	..	81,217 10 8	81,217 10 8	2,048 10 0	80,230 4 3	82,278 14 3	1,061 3 7	..
	Do. North ..	..	1,303 14 10	1,303 14 10	..	1,363 15 7	1,363 15 7	60 0 9	..
	Do. West ..	..	2,189 10 6	2,189 10 6	..	3,049 5 6	3,049 5 6	859 11 0	..
	Chingleput	..	27,595 3 3	27,595 3 3	390 2 8	28,562 7 2	28,952 9 10	1,357 6 7	..
	North Arcot	..	1,03,330 15 11	1,03,330 15 11	2,157 7 11	1,02,949 14 5	1,05,107 6 4	1,776 6 5	..
	South Arcot	..	53,731 4 7	53,731 4 7	613 10 0	53,616 4 0	54,229 14 0	498. 9 5	..
	North Salem	..	94,689 8 8	94,689 8 8	2,053 0 8	99,634 15 1	1,01,687 15 9	6,998 7 1	..
	South Salem	..	74,000 0 11	74,000 0 11	2,947 6 7	74,728 0 1	77,675 6 8	3,675 5 9	..
	Trichinopoly	..	44,850 13 1	44,850 13 1	1,367 13 8	45,448 7 0	46,816 4 8	1,965 7 7	..
	Tanjore	..	8,349 15 8	8,349 15 8	15 9 6	7,745 1 9	7,760 11 3	— 589 4 5	..
	Total ..	..	5,58,843 2 3	5,58,843 2 3	12,170 4 9	5,65,596 10 7	5,77,766 15 4	18,923 13 1	..
Southern Circle.	Conservator, Southern Circle	..	1,151 10 0	1,151 10 0	45 14 3	1,133 5 1	1,179 3 4	27 9 4	..
	Training School, Coimbatore	..	536 3 4	536 3 4	77 0 0	981 13 4	1,058 13 4	522 10 0	..
	Forest Working Plan Office, Southern Circle.	..	383 13 1	383 13 1	151 2 1	232 11 0	383 13 1	..	..
	The Nilgiris	..	69,915 12 1	69,915 12 1	3,646 12 11	68,102 12 4	71,749 9 3	1,833 13 2	..
	North Coimbatore ..	..	83,430 15 11	83,430 15 11	3,470 12 5	84,022 5 4	87,493 1 9	4,062 1 10	..
	South Coimbatore ..	..	1,43,530 10 3	1,42,530 10 3	2,475 4 2	1.44,196 11 11	1,46,672 0 1	3,141 5 10	..
	Madura	..	75,840 9 4	75,840 9 4	2,527 1 7	73,850 14 10	76,378 0 5	537 7 1	..
	Tinnevelly	..	51,856 8 11	51,856 8 11	1,545 7 10	51,929 4 9	53,474 12 7	1,618 3 8	..
	North Malabar	..	80,963 9 1	80,963 9 1	2,224 2 3	81,739 3 2	83,963 5 5	2,999 12 4	..
	South Malabar	..	61,957 12 5	61,957 12 5	1,613 15 2	61,409 15 1	63,023 14 3	1,066 1 10	..
	South Canara	..	77,595 2 11	77,595 2 11	852 14 4	77,558 6 10	78,411 5 2	816 2 3	..
	Total ..	..	6 47,162 11 4	6,47,162 11 4	18,630 7 0	6,45,157 7 8	6,63,787 14 8	16,625 3 4	..
	Grand Total ..	..	18,85,566 2 7	18,85,566 2 7	48,838 12 0	19,02,916 0 6	19,51,754 12 6	66,188 9 11	..

MADRAS,
1st September 1905.

E. S. HENSMAN,
Chief Superintendent.

ANNUAL FORM No. 61.

Forest Department, Madras Presidency.

REVENUE received and Outstandings on account of Revenue during the Forest year 1905–1906

District.	Particulars.	Outstandings at commencement of year.	Value of sales and other revenue during year.	Total.	Amount realized during year.	Outstandings at the end of year.
		Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.
Northern Circle.						
Direction	Timber and other forest produce.	..	30 0 0	30 0 0	30 0 0	..
Ganjám	Do. do.	162 0 0	57,067 8 0	57,229 8 0	56,990 0 0	239 8 0
Vizagapatam	Do. do.	797 12 0	50,036 12 0	53,834 8 0	53,767 0 0	67 8 0
Gódávari	Do. do.	3,663 15 4	1,69,716 3 8	1,73,380 8 0	1,71,540 0 0	1,840 8 0
Kistna	Do. do.	791 13 4	76,112 1 10	76,903 15 2	76,204 0 0	699 15 2
Guntúr	Do. do.	6,054 0 6	1,22,259 10 4	1,28,313 10 10	1,26,859 0 0	1,454 10 10
Kurnool, East	Do. do.	..	1,53,756 0 0	1,53,756 0 0	1,53,656 0 0	100 0 0
Kurnool, West	Do. do.	537 12 10	1,49,676 6 3	1,50,214 3 1	1,49,893 0 0	321 3 1
Bellary	Do. do.	5,178 5 6	1,58,839 11 6	1,64,018 1 0	1,58,429 0 0	5,589 1 0
Anantapur	Do. do.	13,062 8 0	1,10,161 0 0	1,23,223 8 0	94,884 0 0	28,339 8 0
Central Circle.	Total ..	30,248 3 6	10,50,655 10 7	10,80,903 14 1	10,42,252 0 0	38,651 14 1
Direction	Timber and other produce.	..	17 0 0	17 0 0	17 0 0	..
Cuddapah	Do. do.	8,060 12 0	1,85,623 8 11	1,93,684 4 11	1,85,991 0 0 (*a*) + 9 13 0	*4,140 5 0 †3,468 1 3 ‡ 75 1 8
Nellore	Do. do.	21,653 3 0	1,80,987 11 9	2,02,640 14 9	1,90,752 0 0	11,888 14 9
Chingleput	Do. do.	2,041 15 6	34,052 3 10	36,094 3 4	34,137 0 0	1,957 3 4
North Arcot	Do. do.	12,624 3 2 (*b*)— 125 0 0	1,94,711 0 0	2,07,210 3 2	1,90,393 0 0	16,817 3 2
South Arcot	Do. do.	9,517 4 4 (*c*)— 30 5 4 (*d*)— 18 4 10	1,28,284 11 3	1,37,753 5 5	1,27,786 0 0	9,967 5 5
Tanjore	Do. do.	1,572 8 6	24,027 2 0	25,599 10 6	22,721 0 0	2,878 10 6
Trichinopoly	Do. do.	5,132 13 11 (*e*)— 227 11 11	1,19,801 15 4	1,24,707 1 4	1,05,666 0 0	19,041 1 4
North Salem	Do. do.	7,614 2 8	1,13,996 0 2	1,21,610 2 10	1,17,709 0 0	3,901 2 10
South Salem	Do. do.	4,204 5 2	1,05,065 11 10	1,09,270 1 0	1,04,766 0 0	4,504 1 0
Southern Circle.	Total ..	72,421 4 3 — 401 6 3	10,86,567 1 1	11,58,586 15 3	10,79,938 0 0 (*a*)+ 9 13 0	78,639 2 3
Direction	Timber and other forest produce.	..	182 0 0	182 0 0	182 0 0	..
South Canara	Do. do.	6,924 11 6 (*f*)— 38 4 3	1,13,622 2 3	1,20,508 9 6	1,02,619 0 0 (*g*)+ 133 15 1	17,755 10 5
North Malabar	Do. do.	8,810 5 2 (*h*) — 58 1 7	31,757 1 4	40,509 4 11	35,829 12 11	4,679 8 0
South do.	Do. do.	6,418 3 0 (*i*)— 193 4 2	59,358 1 1	65,582 15 11	60,969 0 0	4,613 15 11
The Nilgiris	Do. do.	3,917 2 8 (*d*)— 463 2 0	57,418 1 5	60,872 2 1	59,358 0 0	1,514 2 1
North Coimbatore ..	Do. do.	43 6 7	1,80,710 15 11	1,80,754 6 6	1,80,184 0 0	570 6 6
South do. ..	Do. do.	15,049 3 1 (*c*) — 71 0 0	1,49,446 5 11	1,64,424 9 0	1,53,860 10 5	10,563 14 7
Madura	Do. do.	4,122 10 2 (*c*)— 463 11 0	2,29,851 3 2	2,33,510 2 4	2,26,769 0 0	6,741 2 4
Tinnevelly	Do. do.	17,994 9 6 (*j*)— 35 0 0	89,198 14 4	1,07,158 7 10	94,931 0 0	12,227 7 10
	Total ..	63,280 3 8 —1,322 7 0	9,11,544 13 5	9,73,502 10 1	9,14,702 7 4 (*g*)+ 133 15 1	58,666 3 8
	Grand total ..	1,65,949 11 5 —1,723 13 3	30,48,765 9 1	32,12,993 7 5	30,36,892 7 4 + 143 12 1	1,75,957 4 0

* Cuddapah, West. † Cuddapah, South. ‡ Cuddapah, North.

(*a*) Written off in Government Order No. 428, Revenue, dated 14th May 1906, communicated in Board's Proceedings, No. 151, Land Revenue, dated 11th June 1906.

(*b*) Remission of revenue sanctioned in Sanction Order No. 45 of 1905, dated 9th July 1905.

(*c*) Deduction on account of cancellation of sales, leases and contracts.

(*d*) Erroneous demand.

(*e*) Written off by Conservator in Sanction Order No. 63 of 1905, dated 30th October 1905, as the quantity supplied to the Municipality Trichinopoly was found to be less.

	Rs. A. P.
(*f*) Erroneous demand	38 4 0
Excess demand	0 0 3
Total ..	38 4 3

(*g*) Written off the accounts in Government Order No. 128, Revenue, dated 12th February 1906, communicated with Board's Proceedings, No. 59, Land Revenue, dated 9th March 1906.

	Rs. A. P.
(*h*) Remission of Tuckle fees	35 4 0
Erroneous demand	22 13 7
Total ..	58 1 7
(*i*) Remission of cocoanut tope lease amount on account of fallen trees	14 12 2
Erroneous demand	178 8 0
Total ..	193 4 2

(*j*) One-fourth of the lease amount of a tank-bed due to a temple according to karár.

ANNUAL FORM NO. 62.

Forest Department, Madras Presidency.

FINANCIAL Results of the year 1905-1906.

Districts.	Timber and other produce removed from the forests by Government Agency.		Other revenue.		Formation, protection and improvement of forests.	Total.	
	Receipts.	Charges.	Receipts.	Charges.	Charges.	Receipts.	Charges.
Northern Circle.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
Ganjám	7,541	4,699	49,451	25,822	44,176	56,992	74,697
Vizagapatam	11,047	9,110	42,722	17,413	11,206	53,769	37,729
Gódávari	19,934	12,619	1,51,611	59,187	57,827	1,71,545	1,29,633
Kistna	15,230	11,937	60,976	15,407	16,881	76,206	44,225
Guntúr	26,937	16,453	99,925	22,169	25,645	1,26,862	64,267
Kurnool, East	1,00,627	57,070	53,034	41,373	38,904	1,53,661	1,37,347
Kurnool, West.. ..	64,973	50,179	84,925	49,839	47,589	1,49,898	1,47,607
Bellary	25,481	18,867	1,32,952	38,385	44,760	1,58,433	1,02,012
Anantapur	3,482	4,183	91,404	26,527	21,938	94,886	52,648
Total ..	2,75,252	1,85,117	7,67,000	2,96,122	3,08,926	* 10,42,252	7,90,165 † + 4,373
Central Circle.							
Cuddapah	26,076	13,803	1,59,915	49,660	33,633	1,85,991	97,096
Nellore	38,414	30,319	1,52,338	23,536	29,823	1,90,752	83,678
Chingleput	2,896	5,153	31,241	14,337	15,713	34,137	35,203
North Arcot	63,010	26,583	1,27,383	38,209	41,315	1,90,393	1,06,107
South do.	3,157	5,539	1,24,629	26,632	33,094	1,27,786	65,265
North Salem	49,895	40,940	67,814	17,245	19,130	1,17,709	77,315
South do.	27,250	35,513	77,533	26,331	27,632	1,04,783	89,476
Trichinopoly	45,492	38,282	60,174	20,241	19,497	1,05,666	78,020
Tanjore	1,892	2,371	20,829	4,038	3,349	22,721	9,758
Total ..	2,58,082	1,98,503	8,21,856	2,20,229	2,23,186	10,79,938	6,41,918 † + 7,251
Southern Circle.							
South Canara	44,113	57,437	58,528	8,315	48,336	1,02,641	1,14,088
North Malabar.. ..	23,754	54,092	12,097	1,217	69,250	35,851	1,24,559
South do.	51,382	47,266	9,609	328	24,396	60,991	71,990
The Nilgiris	35,979	57,064	23,401	4,256	32,898	59,380	94,218
North Coimbatore ..	83,736	42,277	96,473	8,401	38,338	1,80,209	89,016
South do. ..	98,647	1,31,010	55,239	9,146	25,930	1,53,886	1,66,086
Madura	97,923	1,03,137	1,28,868	6,166	41,869	2,26,791	1,51,172
Tinnevelly	4,854	10,238	90,099	7,975	43,682	94,953	61,895
Total ..	4,40,388	5,02,521	4,74,314	45,804	3,24,699	9,14,702	‡ 8,73,024
Grand total ..	9,73,722	8,86,141	20,63,170	5,62,155	8,56,811	30,36,892	23,16,731

* This includes Rs. 30 realized in Direction under V-*b* and distributed to the several districts proportionately.

† Refunds and drawbacks. ‡ Includes refunds and drawbacks.

ANNUAL FORM No. 63.

Forest Department, Madras Presidency.

STATEMENT of Elephants during the year 1905–1906.

PART I.

Elephants in possession of the Reporting Officers throughout the year.

District.	Names.	When purchased or otherwise obtained by Government.	Cost of monthly keep, including servants and food.
1	2	3	4
			RS. A. P.
Vizagapatam ..	Ethel	Transferred from the Southern Circle on 3rd December 1897.	74 0 0
Gódávari ..	Surat Pari	Purchased in November 1894 at Sone pur fair.	57 7 0
Kurnool, West ..	Byragi Pyree	Do.	52 10
South Canara ..	1. Mohideen Khan ..	Transferred from North Malabar on 3rd September 1897.	49 13 8
	2. Padmini	Do.	50 5 4
	3. Chamundi	Transferred from North Malabar on 10th September 1900.	42 1 8
North Malabar ..	1. Phyllis	Purchased in January 1878	44 10 9
	2. Kalyani	Do. in October 1889	43 15 4
	3. Sivaji	Captured in February 1900	47 10 1
	4. Peri	Do. in April 1889	71 10 7
	5. Dosta-Jehan	Born in February 1902	30 13 2
	6. Jhelam	Captured in June 1902	50 0 5
	7. Port Arthur	Do. in February 1905	30 3 10
	8. Kesavan	Do.	46 9 2
	9. Kuroki	Do.	45 7 0
	10. Hanuman	Do.	47 10 10
	11. Nethravathi	Do.	47 10 2
	12. Borneo	Born on 21st January 1905	3 4 8
	13. Togo	Captured on 19th January 1905	30 6 11
South Malabar ..	1. Vixen	Transferred from Wynaad in 1882 ..	60 8 8
	2. Peyru	Do.	67 1 8
	3. Maharajan	Do. in 1888 ..	64 8 0
	4. Nurmahal	Transferred from Wynaad in November 1898.	39 8 0
	5. Samson	Purchased from Mr. Morgan in 1885 ..	86 7 6
	6. Theebaw	Captured in January 1886	49 3 10
	7. Juno	Do. in February 1886	81 6 5
	8. Gordon	Do. in February 1889	80 15 6
	9. Jupiter	Do. in January 1887	64 1 7
	10. Tippu	Do. in February 1893	46 10 6
	11. Lydia	Transferred from the Military Department in April 1903.	73 11 2
	12. Cheman Pyree ..	Do.	70 3 6
	13. Bhagavathi	Captured in June 1904	31 10 11
	14. Ella	Do. in January 1905	34 10 6
South Coimbatore.	1. Lala Meah	Transferred from North Malabar on 20th June 1902.	
	2. Akbar Baksh	Transferred from the Nilgiris on 25th July 1899.	
	3. Seetha	Transferred from North Malabar on 20th June 1902.	
	4. Parvati	Transferred from Public Works Department on 3rd April 1901.	
	5. Zehara	Transferred from the Nilgiris on 25th July 1899.	
	6. Kunjunni	Transferred from the Public Works Department on 3rd April 1901.	53 8 3
	7. Bakto	Transferred from North Malabar on 20th June 1902.	
	8. Nurjehan	Transferred from North Malabar on 26th June 1903.	
	9. Sutlej	Transferred from North Malabar on 20th December 1903.	
	10. Eva	Transferred from North Malabar on 8th August 1904.	
	11. Hercules	Do.	
	12. Bob	Captured on 14th August 1904	
	13. Phyllis II	Do. on 12th do.	
	14. Marudu	Do. on 14th do.	

Statement of Elephants during the year 1905–1906—*cont.*

PART II.

Elephants received in the year.

District.	Names.	When purchased or otherwise obtained by Government.	Cost of keep, including servants and food.		Remarks.
1	2	3	4		5
				RS. A. P.	
Ganjám ..	1. Mahabut Piari ..	Purchased from the Ganjám Agency Dept in May 1906.	..	65 3 11	....
North Malabar.	1. Moideen Khan ..	Transferred from South Canara in October 1905.	..	313 11 11	....
	2. Ruby	Captured on 21st February 1906.	..	98 3 2	....
	3. Agnes	Do. on 11th March 1906.	..	149 12 10	....
	4. Norah		..	112 15 0	....
	5. Morris		..	82 5 3	....
	6. Charlie		..	82 5 3	....
	7. Hyder Ali ..	Do. on 12th March 1906.	..	94 8 7	....
	8. Madhavan ..		..	94 8 7	....
	9. Forester ..	Do. on 15th March 1906 ..	..	94 0 6	....
	10. Ranger	Do. on 17th March 1906 ..	..	130 6 10	....
	11. Maree	Do. on 20th March 1906 ..	..	128 0 5	....
	12. Percy	Do. on 27th March 1906 ..	..	86 12 10	....
	13. King	Do. on 9th April 1906 ..	..	107 4 5	....
	14. Princess	Presented by the Mysore Darbar on 9th April 1906.	..	109 5 8	....
	15. Helen	Captured on 12th April 1906.	..	159 9 2	....
	16. Hector	Do. on 13th do.	..	76 7 5	....
	17. Henry		..	56 9 10	....
	18. Belloo	Do. on 3rd June 1906.	..	17 6 1	....
	19. Herbert ..	Do. on 12th do.	..	15 2 10	....
	20. Harry	Born on 10th May 1906 ..	..	..	....
	21. Meenatchi ..	Transferred from the Nilgiris in July 1899.	..	611 5 11	Returned from South Malabar on 13th August 1905.
	22. Isabella ..	Captured in Feb. 1898 ..	..	555 15 3	
	23. Jamna	Do. in June 1903 ..	..	298 3 8	
	24. Emily	Do. in June 1899 ..	..	558 15 6	
	25. Abdul Rahiman.	Do. in April 1900 ..	..	472 0 11	
	26. Krishnam ..	Do. in March 1896 ..	..	480 7 10	Returned from South Malabar on 25th December 1905.
South Malabar.	1. Loo	Transferred from South Coimbatore on 19th July 1905.	..	524 3 4	....
	2. Kitti		..	407 7 2	....
	3. Lakshmi ..		..	407 6 8	....
	4. Meenatchi ..		..	407 15 2	....
	5. Prince	Captured in January 1906 ..	..	171 3 8	....
	6. George ..	Do. in February 1906 ..	..	137 13 9	....
	7. Hugh	Do. in March 1906	..	106 13 8	....
	8. Dorothy		..	90 4 4	....
	9. Dodda Lakshmi. ..	Transferred from the Nilgiris temporarily on account of anthrax breaking out there on 13th June 1906.	..	2 14 6	....
	10. Chio Lakshmi ..		..	4 15 8	....
	11. Jempyree ..		..	4 15 8	....
	12. Beas		..	4 15 8	....
	13. Ravi		..	4 3 1	....
	14. Besse		..	3 6 5	....
	15. Jessie		..	2 2 5	....
South Canara.	1. Moideen Khan ..	Transferred from South Malabar on 27th April 1906.	..	..	....

PART III.

Elephants gone off the list during the year.

District.	Names.	When purchased or otherwise obtained by Government.	Cost of keep, including servants and food.	How disposed of.
1	2	3	4	5
			RS. A. P.	
North Malabar.	1. Moideen Khan..	Transferred from South Canara, in October 1905.	.. 313 11 11	Transferred to South Canara on 27th April 1906.
	2. Jumna ..	Captured in June 1900 ..	.. 298 3 0	Escaped from captivity on 5th February 1906.
	3. Belloo ..	Do. on 3rd June 1906 ..	.. 17 6 1	Died on 29th June 1906.
The Nilgiris.	1. Nilambur Lakshmi.	Purchased in September 1894.	.. 746 10 4	Do. on 22nd May 1906.
	2. Dod Lakshmi ..	Transferred from the Anamalais on 30th January 1882.	.. 477 13 1	Transferred to South Malabar temporarily.
	3. Chic Lakshmi ..		.. 563 0 4	
	4. Jampyree ..	Transferred from Nilambur on 23rd June 1903.	.. 512 2 10	
	5. Bessie (calf) ..	Born on 3rd July 1899 ..	.. 527 7 10	
	6. Jessie (calf) ..	Do. on 20th October 1903 ..	.. 386 10 11	
	7. Ravi	Transferred from Anamalais on 15th March 1905.	.. 869 3 0	
	8. Beas		.. 869 3 0	
South Malabar.	1. Mayo ..	Captured in April 1904 ..	.. 202 8 0	Sold on 8th Jan. 1906.
	2. Prince	Do. in January 1906 ..	.. 171 3 8	Died on 23rd April 1906.
	3. Krishnan ..	Transferred temporarily from North Malabar in Southern division.	.. 79 10 6	Re-transferred to North Malabar on 25th December 1905.
	4. Abdul Rahiman.		.. 117 5 1	Re-transferred to North Malabar on 28th August 1905.
	5. Nadir Shah ..		.. 65 12 4	Died on 4th Dec. 1905.
	6. Isabella ..		.. 71 3 3	Re-transferred to North Malabar on 8th Aug. 1905.
	7. Emily		.. 71 7 9	
	8. Meenatchi ..		.. 68 12 6	
	9. Jamna		.. 60 15 11	
South Coimbatore.	1. Karthiyayini ..	Transferred from South Malabar in August 1888.	.. 24 2 6	Shot on 11th July 1905.
	2. Doddamari ..	Transferred from North Malabar on 26th June 1903.	.. 244 5 8	Do. on 18th Dec. 1905.
	3. Kunhiraman ..	Transferred from North Malabar on 8th August 1904.	.. 108 9 3	Ran into the forests on 26th August 1905.
	4. Lakshmi	Captured on 13th Aug. 1904.	.. 13 10 9	Transferred to South Malabar on 12th July 1905.
	5. Meenatchi		.. 12 9 11	
	6. Kitti	Do. on 30th Sept. 1903.	.. 12 9 11	
	7. Loo	Transferred from North Malabar on 8th August 1904.	.. 16 6 6	
	8. Gordon ..	Transferred from South Malabar on 16th July 1905.	.. 287 1 4	Transferred to South Malabar on 22nd November 1905.
	9. Jemeu		.. 300 9 1	
	10. Krishna ..		.. 335 6 7	
	11. Nadir Shah ..		.. 323 9 2	

LIBRARY OF THE BOMBAY BRANCH OF THE ROYAL ASIATIC SOCIETY.

ANNUAL FORM

Forest Department,

ABSTRACT showing the Value of Live-stock,

Districts.	Surveying, etc., instruments				Tools			
	On hand at the commencement of the year.		On hand at the close of the year.		On hand at the commencement of the year.		On hand at the close of the year.	
	Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.
1	2	3	4	5	6	7	8	9
Northern Circle.		Rs.		Rs.		Rs.		Rs.
Direction	49	493	49	455	12	7	12	6
Ganjám	85	880	89	866	350	577	516	731
Vizagapatam	38	797	38	557	259	89	336	155
Gódávari	126	594	132	1,096	1,144	2,060	1,180	2,220
Kistna	39	529	46	735	188	497	194	346
Guntúr	53	1,365	52	1,282	250	428	257	568
Kurnool East	87	1,021	87	1,020	1,120	2,052	1,275	2,797
Do. West	127	576	142	765	619	637	858	1,095
Bellary	67	325	76	420	280	159	292	172
Anantapur	51	294	66	395	372	443	420	1,074
Total, Northern Circle ..	722	6,874	777	7,591	4,594	6,949	5,340	9,164
Central Circle.								
Direction	58	1,145	57	1,037	6	8	6	8
Cuddapah	118	878	118	943	407	653	412	858
Nellore	103	1,051	104	1,058	2,370	875	2,265	1,045
Chingleput	49	514	50	410	599	651	647	720
North Arcot	180	1,114	179	1,102	2,074 Cwt. 33	2,519	2,297 Cwt. 33	2,761
South do.	90	685	90	711	76	35	56	30
North Salem	100	819	118	958	687	746	535	959
South do.	113	1,212	121	1,200	952	1,207	1,075	1,278
Tanjore	24	89	25	141	39	18	42	19
Trichinopoly	49	486	49	472	303	268	321	244
Total, Central Circle ..	884	7,993	911	8,032	7,513 Cwt. 33	6,980	7,656 Cwt. 33	7,922
Southern Circle.								
Direction	60	922	54	1,060	15	54	15	54
South Canara	214	651	212	595	428	406	452	442
North Malabar	50	935	56	915	644	602	746	518
South do.	51	469	53	603	515	335	465	317
The Nilgiris	114	999	114	968	843	1,152	686	978
North Coimbatore	68	730	69	784	850	1,307	913	1,437
South do.	81	589	88	631	2,252	4,429	2,557	6,261
Madura	116	1,561	116	1,539	563	441	681	647
Tinnevelly	119	610	123	658	459	415	453	528
Forest Training School, Coimbatore	46	329	108	1,106	16	16	113	170
Total, Southern Circle ..	919	7,795	993	8,859	6,585	9,157	7,081	11,352
Grand Total, Presidency ..	2,525	22,662	2,681	24,482	18,692 33 cwts.	23,086	20,077 33 cwts.	28,438

No. 64.

Madras Presidency.

Stores, Tools and Plant for 1905–1906.

Machinery				Furniture				Building materials, small stores, tents, boats, etc.			
On hand at the commencement of the year.		On hand at the close of the year.		On hand at the commencement of the year.		On hand at the close of the year.		On hand at the commencement of the year.		On hand at the close of the year.	
Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.
10	11	12	13	14	15	16	17	18	19	20	21
	Rs.		Rs.		Rs.		Rs.		Rs.		Rs.
..	..	..	..	121	624	125	725	16	650	20	1,334
..	..	..	..	384	2,092	411	2,356	..	..	..	..
..	..	..	..	190	1,146	282	740	124	1,100	109	1,487
1	4,800	1	4,388	582	2,747	611	2,618	20	2,305	22	2,397
..	..	..	..	137	436	142	400	3	1,243	3	1,177
..	..	..	..	180	1,014	223	1,194	5	1,521	6	2,815
..	..	..	..	123	848	149	1,001	11	1,442	17	2,162
10	857	19	1,692	171	907	204	1,027	8	1,621	11	1,920
1	300	1	280	156	858	175	902	17	1,847	18	2,231
..	..	..	..	336	1,437	382	1,571	8	718	6	662
12	5,957	21	6,360	2,380	12,109	2,704	12,534	212	12,447	212	16,185
..	..	..	..	141	610	141	528	8	425	8	384
1	28	1	27	231	1,011	239	1,005	20	1,706	21	1,513
46,308	26,890	46,178	26,735	228	1,510	247	1,756	10	993	10	963
..	..	..	..	225	910	262	1,061	8	803	8	791
32	388	32	384	901	2,434	893	2,416	19	1,771	19	1,744
5	131	5	114	201	887	204	1,038	14	1,806	14	1,139
..	..	..	..	169	1,003	187	1,117	96	1,105	108	1,071
5	211	5	198	349	1,127	396	1,382	22	1,464	24	1,828
..	..	..	..	60	272	62	420	..	..	..	..
..	..	..	..	181	685	236	907	13	1,379	12	1,130
46,351	27,648	46,221	27,458	2,686	10,449	2,867	11,630	210	11,452	224	10,558
..	..	..	..	227	1,428	245	1,541	6	567	8	583
..	..	..	..	209	1,227	233	1,246	14	1,321	14	1,189
..	..	..	..	172	622	182	531	4	438	4	390
2	19	1	17	176	938	163	1,112	4	107	3	107
1	120	1	120	206	1,154	237	1,507	7	750	7	694
..	..	..	..	374	1,308	400	1,592	102	910	113	1,198
659	3,275	636	3,056	459	1,972	475	1,921	17	1,191	17	1,164
ft. 7,950	£ 605	ft. 7,950	£ 544								
6	198	9	582	466	1,945	559	2,137	490	1,267	520	1,410
..	..	..	..	621	2,159	664	2,607	..	..	..	..
..	..	..	..	17	123	60	679	12	1,919	12	1,715
668	3,612	647	3,775	2,927	12,876	3,218	14,873	656	8,470	698	8,450
ft. 7,950	£ 605	ft. 7,950	£ 544								
47,031	37,217	46,889	37,593	7,993	35,434	8,789	39,037	1,078	32,369	1,134	35,193
ft. 7,950	£ 605	ft. 7,950	£ 544								

Abstract showing the Value of Live-stock,

Districts.	Buildings				Live-stock			
	On hand at the commencement of the year.		On hand at the close of the year.		On hand at the commencement of the year.		On hand at the close of the year.	
	Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.
	22	23	24	25	26	27	28	29
Northern Circle.		Rs.		Rs.		Rs.		Rs.
Direction	..	..	..	..	2	37	2	35
Ganjám	56	16,832	50	14,994	..	..	..	..
Vizagapatam	61	7,743	52	6,375	1	Not known.	1	Not known.
Gódávari	94	27,928	130	34,802	1	900	1	900
Kistna	22	2,221	27	2,725	..	..	..	..
Guntúr	42	9,305	50	10,019	..	..	..	..
Kurnool, East	40	10,611	53	9,354	72	3,659	71	3,607
Do. West	40	25,235	69	35,876	2	1,600	7	1,600
Bellary	27	4,399	27	4,220	91	3,075	95	3,575
Anantapur	16	15,826	20	21,135	..	..	..	..
Total, Northern Circle ..	398	1,20,100	478	1,39,500	169	9,271	177	9,717
Central Circle.								
Direction	..	..	..	..	..	..	..	..
Cuddapah	125	19,603	129	21,215	2	56	2	56
Nellore	13	9,259	15	15,479	..	..	..	..
Chingleput	28	7,526	34	8,955	..	..	..	..
North Arcot	89	24,260	96	30,115	..	..	..	..
South do.	20	15,033	41	18,749	..	..	..	..
North Salem	22	9,000	31	12,400	..	..	..	..
South do.	22	10,226	24	11,435	..	..	..	..
Tanjore	5	358	5	358	..	..	..	..
Trichinopoly	8	2,830	9	3,043	309	11	309	10
Total, Central Circle ..	332	98,095	384	1,21,749	311	67	311	66
Southern Circle.								
Direction	..	..	..	..	..	..	..	..
South Canara	28	14,374	45	25,377	3	5,000	64	10,337
North Malabar	39	13,592	46	18,067	19	22,670	76	64,853
South do.	37	34,084	36	32,298	39	24,460	50	36,391
The Nilgiris	75	9,761	87	10,576	24	7,943	43	8,960
North Coimbatore	72	34,121	71	30,126	..	..	..	..
South do.	93	36,816	94	30,245	131	36,962	130	30,124
Madura	60	33,283	60	36,798	..	..	..	..
Tinnevelly	70	32,383	70	31,136	..	..	..	..
Forest Training School, Coimbatore	..	..	..	..	..	..	..	..
Total, Southern Circle ..	474	2,08,414	509	2,14,623	216	97,035	363	1,50,665
Grand Total, Presidency ..	1,204	4,26,609	1,371	4,75,872	696	1,06,373	851	1,60,448

Stores, Tools and Plant for 1905–1906—*cont.*

Miscellaneous				Total					
On hand at the commencement of the year.		On hand at the close of the year.		On hand at the commencement of the year.		On hand at the close of the year.		Difference in value	
Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.	In favour of the year.	Against the year.
30	31	32	33	34	35	36	37	38	39
	Rs.		Rs.		Rs.		Rs.	Rs.	Rs.
5	80	6	79	205	1,891	214	2,634	743	..
..	..	..	..	875	20,381	1,066	18,947	..	1,434
303	645	352	705	976	11,520	1,170	10,019	..	1,501
527	4,052	552	3,851	2,495	45,386	2,629	52,272	6,886	..
5	1,691	7	1,956	394	6,617	419	7,339	722	..
2	136	2	129	532	13,769	590	16,007	2,238	..
248	1,681	1,100	2,428	1,701	21,314	2,752	22,369	1,055	..
241	626	1,821	1,488	1,218	32,059	3,131	45,463	13,404	..
330	1,283	392	1,812	969	12,246	1,076	13,612	1,366	..
..	..	..	..	783	18,718	894	24,837	6,119	..
1,661	10,194	4,232	12,448	10,148	1,83,901	13,941	2,13,499	29,598	..
94	379	94	346	307	2,567	306	2,303	..	264
291	358	291	323	1,195	24,293	1,213	25,940	1,647	..
420	5,489	417	5,120	49,452	46,067	49,236	52,156	6,089	..
..	..	..	..	909	10,404	1,001	11,937	1,533	..
..	..	..	..	3,295 cwt. 33	32,486	3,516 cwt. 33	38,522	6,036	..
1,270	727	948	539	1,676	19,304	1,358	22,320	3,016	..
617	315	677	441	1,691	12,988	1,656	16,946	3,958	..
..	..	..	..	1,463	15,447	1,645	17,316	1,869	..
93	334	213	334	221	1,071	347	1,272	201	..
1,879	832	1,585	810	2,742	6,491	2,821	6,616	125	..
4,664	8,434	4,525	7,913	62,951	1,71,118	63,099 cwt. 33	1,95,328	24,210	..
506	488	455	973	814	3,459	777	4,211	752	..
567	1,497	637	6,902	1,463	24,476	1,657	46,088	21,612	..
..	..	20	1,630	928	38,859	1,130	86,904	48,045	..
382	1,233	302	1,667	1,206	61,645	1,073	72,512	10,867	..
119	93	112	167	1,389	21,972	1,287	23,970	1,998	..
180	353	185	368	1,646	38,729	1,751	35,505	..	3,254
276	926	272	902	3,968 ft. 7,950	86,160 £ 605	4,269 ft. 7,950	74,304 £ 544	..	11,856 £ 61
793	415	793	412	2,494	39,110	2,738	43,525	4,415	..
..	..	..	..	1,269	35,567	1,310	34,929	..	638
7	324	26	23	98	2,711	319	3,693	982	..
2,830	5,329	2,802	13,044	15,275 ft. 7,950	3,52,688 £ 605	16,311 ft. 7,950	4,25,641 £ 544	72,953 £ — 61	..
9,155	23,957	11,559	33,405	88,374 cwt. 33 ft. 7,950	7,07,707 £ 605	93,351 cwt. 33 ft. 7,950	8,34,468 £ 544	1,26,761	£ 61

Form No. 65.

Statement showing the results of transport of wood by tramway.

Forest Department, Madras, Northern Circle.

I.—Gódávari District.

Capital Account, 1905–1906.

—	1904–1905.	1905–1906.	—	1904–1905.	1905–1906.
Dr.	Rs. A. P.	Rs. A. P.	*Cr.*	Rs. A. P.	Rs. A. P.
To balance of the previous year	..	4,668 0 0	By depreciation at 6 per cent.	298 0 0	280 0 0
„ cost of plant	4,800 0 0	..	„ balance of stock	4,668 0 0	4,388 0 0
„ Improvements	127 0 0	..			
„ conveyance of plant	39 0 0	..			
Total	4,966 0 0	4,668 0 0	Total	4,966 0 0	4,668 0 0

Revenue Account, 1905–1906.

—	1904–1905.	1905–1906.	—	1904–1905.	1905–1906.
Dr.	Rs. A. P.	Rs. A. P.	*Cr.*	Rs. A. P.	Rs. A. P.
To improvements	..	..	By balance written off	678 0 0	772 0 0
„ conveyance charges	..	241 0 0			
„ road making	116 0 0	44 0 0			
„ interest at 4 per cent.	199 0 0	187 0 0			
„ depreciation at 6 per cent.	298 0 0	280 0 0			
„ working expenses	65 0 0	20 0 0			
Total	678 0 0	772 0 0	Total	678 0 0	772 0 0

Capital Account, 1905–1906.

—	1904–1905.					1905–1906.				
	Number of tons of wood carried.	Number of miles carried.	Total ton-miles.	Actual charge for carrying.	Rate per ton-mile.	Number of tons of wood carried.	Number of miles carried.	Total ton-miles.	Actual charge for carrying.	Rate per ton-mile.
				Rs.	Rs. A. P.				Rs.	Rs. A. P.
Work done	$446\frac{3}{17}$	$\frac{3}{4}$	$334\frac{10}{17}$	678	2 0 5	160 $1,072\frac{41}{205}$	$\frac{3}{4}$ 1	120 $1,072\frac{41}{205}$	772	0 10 4
Total	$446\frac{3}{17}$	$\frac{3}{4}$	$334\frac{10}{17}$	678	2 0 5	$1,232\frac{41}{205}$	..	$1,192\frac{41}{205}$	772	0 10 4

Revenue Account, 1905–1906.

—	1904–1905.			1905–1906.		
	Number of ton-miles.	Amount.	Rate per ton-mile.	Number of ton-miles.	Amount.	Rate per ton-mile.
		Rs. A. P.	Rs. A. P.		Rs. A. P.	Rs. A. P.
Actual charge of carrying	$334\frac{10}{17}$	678 0 0	2 0 5	$1,192\frac{41}{205}$	772 0 0	0 10 4
Estimated charges by coolies		350 0 0	1 0 9		1,564 8 0	1 5 0

Year.	Profit.	Loss.
	Rs.	Rs.
1904–1905	..	328
1905–1906	792	..
Total	792	328
Deduct loss	328	..
Net profit	464	..

Statement showing the results of transport of wood by tramway—*cont.*

Forest Department, Madras, Central Circle.

II.—Nellore District.

(i) Sriharikóta Plantation.

Capital Account, 1905-1906.

—	1904-1905.	1905-1906.	—	1904-1905.	1905-1906.
Dr.	Rs.	Rs.	*Cr.*	Rs.	Rs.
To balance from the previous year ..	16,079	17,109	By depreciation at 6 per cent. ..	1,092	1,036
Add new stock	2,122	155	„ balance of stock	17,109	16,228
Total ..	18,201	17,264	Total ..	18,201	17,264

Revenue Account, 1905-1906.

—	1904-1905.	1905-1906.	—	1904-1905.	1905-1906.
Dr.	Rs.	Rs.	*Cr.*	Rs.	Rs.
To working expenses	2,100	1,779	By balance written off	4,442	4,432
„ road-making and repairs	457	830			
„ interest at 4 per cent.	728	691			
„ depreciation at 6 per cent. ..	1,092	1,036			
„ repairs to wagons	65	96			
Total ..	4,442	4,432	Total ..	4,442	4,432

—	1904-1905.					1905-1906.				
	Number of tons of wood carried.	Number of miles carried.	Total ton-miles.	Actual charge for carrying.	Rate per ton-mile.	Number of tons of wood carried.	Number of miles carried.	Total ton-miles.	Actual charge for carrying.	Rate per ton-mile.
				Rs.	Rs. A. P.				Rs.	Rs. A. P.
Work done	7,831	4	31,324	4,442	0 2 3	6,425	4½	28,912½	4,432	0 2 5

—	1904-1905.			1905-1906.		
	Number of ton-miles.	Amount.	Rate per ton-mile.	Number of ton-miles.	Amount.	Rate per ton-mile.
		Rs.	Rs. A. P.		Rs.	Rs. A. P.
Actual charge for carrying	31,324	4,442	0 2 3	28,912½	4,432	0 2 5
Estimated charges by coolies		41,113	1 5 0		37,953	1 5 0

Abstract.

Year.	Profit.	Loss.
	Rs.	Rs.
1889-90	..	1,444
1890-91	8,487	..
1891-92	3,742	..
1892-93	13,807	..
1893-94	13,063	..
1894-95	15,153	..
1895-96	9,100	..
1896-97	23,921	..
1897-98	25,450	..
1898-99	30,398	..
1899-1900	23,176	..
1900-1901	8,713	..
1901-1902	27,918	..
1902-1903	24,917	..
1903-1904	34,386	..
1904-1905	36,671	..
1905-1906	33,521	..
Total ..	3,32,423	
Deduct loss ..	1,444	
Net profit ..	3,30,979	

Statement showing the results of transport of wood by tramway—*cont.*

Forest Department, Madras, Central Circle—cont.

II.—Nellore District—cont.

(ii) Casuarina Plantation Range.

Capital Account.

—	1904-1905.	1905-1906.	—	1904-1905.	1905-1906.
Dr.	Rs.	Rs.	*Cr.*	Rs.	Rs.
To balance from the previous year.	14,651	16,623	By depreciation at 6 per cent.	1,061	998
Add new stock	3,033	7	„ balance of stock	16,623	15,632
Total ..	17,684	16,630	Total ..	17,684	16,630

Revenue Account.

—	1904-1905.	1905-1906.	—	1904-1905.	1905-1906.
Dr.	Rs.	Rs.	*Cr.*	Rs.	Rs.
To working expenses	1,100	9,757	By balance written off ..	3,315	11,492
„ road-making and repairs ..	114	66			
„ interest at 4 per cent. ..	707	665			
„ depreciation at 6 per cent. ..	1,061	998			
„ repairs to wagons	33	6			
Total ..	3,315	11,492	Total ..	3,315	11,492

—	1904-1905.					1905-1906.				
	Number of tons of wood carried.	Number of miles carried	Total ton-miles.	Actual charge for carrying.	Rate per ton-mile.	Number of tons of wood carried.	Number of miles carried.	Total ton-miles.	Actual charge for carrying.	Rate per ton-mile.
				Rs.	Rs. A. P.				Rs.	Rs. A. P.
Work done	1,955	30/40	1,466 10/40	3,315	0 2 11	3,570	30/40	2,677 20/40	11,492	0 13 11
	2,854	2 10/40	6,421 20/40			2,532	2 20/40	6,330		
	3,577	2	7,154			2,302	1 20/40	3,453		
	1,866	1 30/40	3,265 20/40			752	1	752		
	10,252	6 30/40	18,307 10/40			9,156	5 30/40	13,212 20/40		

—	1904-1905.			1905-1906.		
	Number of ton-miles.	Amount.	Rate per ton-mile.	Number of ton-miles.	Amount.	Rate per ton-mile.
	18,307 10/40	Rs.	Rs. A. P.	13,212 20/40	Rs.	Rs. A. P.
Actual charge of carrying		3,315	0 2 11		11,492	0 13 11
Estimated charges by coolies.. ..		24,028	1 5 0		17,341	1 5 0

ABSTRACT.

Year.	Profit.	Loss.	Year.	Profit.	Loss.
	Rs.	Rs.		Rs.	Rs.
1885-86	1,735	..	1899-1900	13,275	..
1886-87	5,030	..	1900-1901	22,553	..
1887-88	..	536	1901-1902	14,525	..
1888-89	6,272	..	1902-1903	24,372	..
1889-90	545	..	1903-1904	18,740	..
1890-91	7,323	..	1904-1905	20,713	..
1891-92	4,646	..	1905-1906	5,849	..
1892-93	5,290	..			
1893-94	5,351	..	Total ..	1,80,511	
1894-95	5,261	..	Deduct loss ..	536	
1895-96	4,826	..			
1896-97	3,981	..	Net profit ..	1,79,975	
1897-98	7,000	..			
1898-99	3,224	..			

Statement showing the results of transport of wood by tramway—*cont.*

Forest Department, Madras, Southern Circle.

III.—South Coimbatore District.

Capital Account.

—	1904–1905.	1905–1906.	—	1904–1905.	1905–1906.
Dr.	Rs.	Rs.	*Cr.*	Rs.	Rs.
To balance from the previous year ..	32,415	30,579	By depreciation at 6 per cent. ..	1,952	1,838
,, repairs of tram-trucks	115	63	,, balance of stock	30,578	28,804
Total ..	32,530	30,642	Total ..	32,530	30,642

Revenue Account.

—	1904–1905.	1905–1906.	—	1904–1905.	1905–1906.
Dr.	Rs.	Rs.	*Cr.*	Rs.	Rs.
To working expenses	910	1,278	By balance written off	8,049	9,581
,, depreciation at 6 per cent. ..	1,952	1,838			
,, interest at 4 per cent.	1,301	1,226			
,, repairs to tram-line	180	859			
,, cost of feed and keep of bulls employed in tramming ..	3,706	4,380			
Total ..	8,049	9,581	Total ..	8,049	9,581

—	1904–1905.					1905–1906.				
	Number of tons of wood carried.	Number of miles carried.	Total ton-miles.	Actual charge for carrying.	Rate per ton-mile.	Number of tons of wood carried.	Number of miles carried.	Total ton-miles.	Actual charge for carrying.	Rate per ton-mile.
				Rs.	Rs. A. P.				Rs.	Rs. A. P.
Work done.	$180\frac{23}{40}$ tons (7,222 c. ft.).	$5\frac{3}{4}$	1,038	8,049	1 4 10	806 tons (32,240 c. ft.).	$5\frac{3}{4}$	4,634	9,581	1 4 0
	$471\frac{8}{40}$ tons (18,845 c. ft.).	$5\frac{1}{4}$	2,473			$446\frac{7}{40}$ tons (17,847 c. ft.).	$3\frac{3}{4}$	1,676		
	$7\frac{37}{40}$ tons (307 c. ft.).	$4\frac{3}{4}$	36			$359\frac{28}{40}$ tons (14,398 c. ft.).	$3\frac{3}{4}$	1,350		
	$311\frac{3}{40}$ tons (12,443 c. ft.).	$3\frac{3}{4}$	1,167							
	$57\frac{6}{40}$ tons (2,285 c. ft.).	$3\frac{3}{4}$	214							
	$410\frac{26}{40}$ tons (16,426 c. ft.).	3	1,232							
	$22\frac{36}{40}$ tons. (916 c. ft.).	1	23							
Total ..	$1,461\frac{8}{40}$		6,183			$1,611\frac{32}{40}$ tons (64,485 c. ft.).		7,660		

—	1904–1905.			1905–1906.		
	Number of ton-miles.	Amount.	Rate per ton-mile.	Number of ton-miles.	Amount.	Rate per ton-mile.
		Rs.	Rs. A. P.		Rs.	Rs. A. P.
Actual charge of carrying	6,183	8,049	1 4 10	7,660	9,581	1 4 0
Estimated cost of carting	6,183	6,441	1 0 8	7,660	7,979	1 0 8
Actual cost of maintaining cart-road before the construction of tramway (now saved)	..	1,220	..	..	1,200	..
Cost of extension of road beyond Sangam (now saved)..	..	310	..	..	310	..
Total estimated cost of carting ..	..	7,971	..	..	9,489	..
Loss ..	..	..	..	..	92	..
Add loss up to 1904–1905 ..	..	..	..	..	32,049	..
Total loss ..	..	..	..	..	32,141	..

ANNUAL FORM NO. 72-A (OLD CODE).

Forest Department, Madras Presidency.

MONEY value of sales of timber, fuel and bamboos cut, collected and removed by Consumers or Purchasers during 1905–1906.

District.	Timber.	Firewood and charcoal.	Bamboos.	MONEY VALUE OF SALES.					
				Timber.		Firewood and charcoal.		Bamboos.	
				Amount of sales.	Amount actually realized during the year.	Amount of sales.	Amount actually realized during the year.	Amount of sales.	Amount actually realized during the year.
1	2	3	4	5	6	7	8	9	10
Northern Circle.	C. FEET.	C. FEET.	NO.	RS.	RS.	RS.	RS.	RS.	RS.
Ganjám	412,448	406,193	1,521,306	23,048	23,085	4,284	4,284	6,147	6,147
Vizagapatam	67,757	143,031	1,680,390	5,669	5,669	3,454	* 3,454	13,044	13,044
Gódávari	213,086	246,914	9,585,277	25,451	25,451	9,166	9,176	54,488	54,488
Kistna	53,597	934,140	392,196	3,530	3,530	12,685	12,216	2,774	2,774
Guntúr	66,677	199,352	..	6,360	6,286	9,954	9,254	..	..
Kurnool, East	5,322	57,651	18,400	606	606	1,257	1,257	204	1,446
Do. West	125,466	57,153	50	10,953	11,238	4,336	4,369	1	1
Bellary	109,951	419,080	133,683	10,978	10,978	6,899	6,902	2,714	2,714
Anantapur	25,259	137,842	5,328	4,506	4,506	2,549	2,552	139	139
Total ..	1,079,563	2,601,356	13,336,630	91,101	91,349	54,584	53,464	79,511	80,753
Central Circle.									
Cuddapah	114,124	501,115	1,228,430	10,496	10,298	13,879	13,667	8,436	8,433
Nellore	16,429	461,111	437	2,770	2,740	2,980	24,928	28	28
Chingleput	18,118	78,459	163	1,632	1,632	7,129	7,374	33	33
North Arcot	122,500	808,835	4,624,310	7,656	7,699	12,638	12,206	28,902	26,326
South do.	68,654	509,816	1,212,595	9,112	9,112	33,228	33,358	2,929	3,009
North Salem	43,946	80,056	2,679,775	3,061	3,064	1,999	2,075	5,669	9,562
South do.	47,793	191,558	4,299,033	3,877	3,877	5,133	5,133	19,168	18,506
Trichinopoly	21,102	794,672	38,218	1,515	1,515	13,015	12,589	1,177	1,177
Tanjore	20,984	456,212	24,227	757	757	9,491	8,691	320	320
Total ..	473,650	3,881,834	14,107,188	40,876	40,694	99,492	1,20,021	66,662	67,394
Southern Circle.									
South Canara	35,933	840,172	98,392	6,911	6,910	11,948	11,689	1,453	1,453
North Malabar	1,018	3,480	17,260	672	672	59	55	298	298
South do.	50,784	..	14,700	4,104	4,012	..	..	362	362
The Nilgiris	3,240	48,170	131,127	1,475	1,475	2,892	2,928	2,654	2,654
North Coimbatore ..	15,889	227,349	† 2,632	5,037	5,037	6,711	6,711	11,571	11,571
South do.	16,692	143,155	1,388,740	‡ 6,239	3,929	3,761	6,066	8,983	8,143
Madura	59,518	614,275	107,796	4,641	13,821	33,160	37,412	3,369	3,369
Tinnevelly	49,245	949,424	3,932	601	906	44,998	46,526	1,033	1,168
Total ..	232,319	2,826,025	1,764,579	29,680	36,762	1,03,529	1,11,387	29,723	29,018
Grand Total, Presidency.	1,785,532	9,309,215	29,208,397	1,61,657	1,68,805	2,57,605	2,84,872	1,75,896	1,77,165
Grand Total, 1904–1905..	2,235,087	10,757,206	34,911,894	1,95,278	1,96,429	3,69,238	3,65,682	1,96,207	1,98,739

N.B.—Columns 6, 8 and 10 include arrear collections of revenue outstanding at the end of the previous year and are the audited figures of the Accountant-General as per Form No. 59. The figures in columns 5, 7 and 9 are those reported by the Collectors.

* Excludes the amount of Rs. 675 collected in the Central Circle.

† Excludes 187,632 cubic feet of bamboos, the number contained in which has not been reported.

‡ Includes value of timber and firewood on darkhast lands.

ANNUAL FORM No. 72-B (OLD CODE).

Forest Department, Madras Presidency.

TIMBER and other produce confiscated and sold during the year 1905–1906.

Districts.	TIMBER.		FIREWOOD.		BAMBOOS.		Minor produce in value.	Total amount of sales.	Amount actually realized.
	Quantity in cubic feet.	Amount of sales.	Quantity in cubic feet.	Amount of sales.	Number.	Amount of sales.			
Northern Circle.		RS.		RS.		RS.	RS.	RS.	RS.
Ganjám	2,808	354	360	10	956	5	5	374	255
Vizagapatam ..	468	25	133	6	932	7	4	42	42
Gódávari	* 3,011	† 5,188	..	..	240	1	..	5,189	5,189
	1,305	284	815	16	5,777	33	73	406	406
Kistna	424	41	650	56	196	3	5	105	105
Guntúr	26	39	33	3	..	..	10	52	52
Kurnool East ..	738	239	234	10	370	7	44	300	300
Do West ..	1,511	370	766	54	2,024	35	86	545	543
Bellary	77	38	4,915	90	..	..	1	129	129
Anantapur	..	..	..	..	..	..	209	209	209
Total ..	10,368	6,578	7,906	245	10,495	91	437	7,351	7,230
Central Circle.									
Cuddapah	1,121	446	958	36	2,790	17	70	569	‡ 549
Nellore	11,786	1,483	3,708	267	50	..	200	1,950	1,937
Chingleput	131	65	166	18	5	..	6	89	89
North Arcot ..	1,054	1,055	7,087	324	3,863	33	62	1,474	1,474
South do. ..	2,499	312	2,766	138	98	1	69	520	520
North Salem	191	12	89	4	1,286	8	6	30	30
South do.	352	99	1,001	47	4,221	29	6	181	181
Trichinopoly ..	§ 405	82	119	3	52	2	4	91	91
Tanjore	1	..	21	2	..	..	1	3	3
Total ..	17,540	3,554	15,915	839	12,365	90	424	4,907	4,874
Southern Circle.									
South Canara ..	7,556	2,080	2,980	160	1,348	28	242	2,510	2,510
North Malabar ..	6,537	‖ ..	..	..	13	..	58	58	58
South do. ..	9,996	1,104	18	2	..	..	5	1,111	1,111
The Nilgiris ..	694	27	7	..	300	20	21	68	68
North Coimbatore ..	901	535	2,163	61	1,187	50	6	652	652
South do. ..	446	156	691	66	5,270	18	4	244	244
Madura	1,243	164	512	35	31	4	59	262	¶ 287
Tinnevelly	104	48	18,032	1,224	..	..	140	1,412	1,427
Total ..	27,477	4,114	24,403	1,548	8,149	120	535	6,317	6,357
Grand Total ..	55,385	14,246	48,224	2,632	31,009	301	1,396	18,575	18,461

Add outstandings at close of 1904–1905 ..	836
Total ..	19,411
Deduct amount realized as per Form No. 59 ..	18,461
Balance outstanding on 30th June 1906 ..	950

* Drift timber.

† Includes Rs. 4,783 being lease amounts of drift timber.

‡ Amount as per Form No. 59; the amount entered by the Collector is 569, but the variation has not been explained.

§ Excludes 54 lb. of sandalwood the volume of which in cubic feet has not been reported.

‖ Not sold during the year.

¶ The Collector has entered 262 in this column against 287 as per audited figures of the Accountant-General.

GOVERNMENT OF MADRAS.

REVENUE DEPARTMENT

READ—the following paper:—

Proceedings of the Board of Revenue (Land Revenue), Forest No. 251, dated 23rd November 1906.

The Hon'ble Mr. C. J. WEIR.

The Board submits to Government the progress report of Forest Administration in the Madras Presidency for the year ending with 30th June 1906.

2. In accordance with the last clause of section 258 of the Forest Code, the report has been drawn up by Mr. C. E. Brasier, the senior Conservator of Forests now on duty.

3. The officers of the Controlling staff have with few exceptions worked very satisfactorily. The progress made towards the abolition of the permit system and the consequent opening of depots to supply the local needs of the people has entailed much extra work on all officers in charge of divisions.

The Conservators of the Central and Southern Circles, in addition to their ordinary work, sat for about 6 weeks at the close of the year on a committee for the revision of the Forest Code. Their experience in the working of the existing Code enabled them to make many valuable suggestions which have been embodied in the draft Code, which will be shortly submitted to Government.

Mr. Lushington, Conservator of Forests, Northern Circle, has had very arduous work in connection with the many developments in his circle, particularly those in Kurnool and Bellary.

Among the District Forest-officers, Messrs. Wood and Rama Rao have done particularly good work in the Nallamalais in Kurnool, amid very trying surroundings, and the Board hopes that their efforts have gone far towards solving the difficult question of the effective protection of these forests.

Of the remaining District Forest-officers, Messrs. Cox, Aitchison, Cowley-Brown, Saiyid Burhan-ud-din and Latham are specially mentioned for good work, but the Conservators speak with satisfaction of the work of most of the District officers.

The Board will call for an explanation from Mr. J. Tapp, the officer who is held largely responsible by the Conservator for the destructive fires in the Vizagapatam district.

(True Extract.)

F. B. EVANS,
Ag. Secretary.

To the Secretary to Government, Revenue Department, with three copies of the report.

Order—No. 145, Revenue, dated 21st January 1907.

Forest No. 9.

The report on the administration of the Forest Department in the year ending 30th June 1906, which has been prepared as usual by the senior Conservator, will be recorded with the following brief remarks.

2. *Extension of forest area.*—There was a net addition of 181 square miles to the area of reserved forests during the year, but the extent of reserved lands decreased by 222 square miles to 1,297 square miles, made up of 919 square miles notified under

section 4 and 378 square miles notified under section 26 of the Forest Act. The net result of these changes was that the total area under the control of the department fell during the year from 19,626 square miles to 19,585 square miles.

3. *Forest settlement.*—The progress made in forest settlement was on the whole better than in the previous year. Including 32 blocks newly selected for reservation during the year, 142 blocks measuring 1,142 square miles awaited settlement. Of these, 58 blocks covering an area of 188 square miles were constituted reserved forests and allowing for lands abandoned or excluded at settlement as well as for a decrease of 4 square miles due to the adoption of revised areas, 81 blocks aggregating in area 919 square miles remained to be declared reserved forests at the end of the year. It is reported, however, that 39 square miles have since been reserved and that the settlement of 802 square miles is practically complete so that only 78 square miles remain to be settled. It appears doubtful whether the expression "practically complete" can be interpreted literally. In the administration reports of the years 1903–1904 and 1904–1905 the settlement of 265 square miles and 316 square miles respectively was returned as practically complete but in the past two years only 411 square miles have actually been settled. The Government, however, trust that the settlement of these 802 square miles will be brought to a successful conclusion in the near future and that the end of these long protracted operations is at last really in sight. In addition to the 78 square miles mentioned above, 184 square miles of reserved lands in Vizagapatam and South Canara and 92 square miles of unreserved lands in Anantapur and North Coimbatore or 354 square miles in all awaited settlement at the close of the year.

4. The period of the special duty of the two Special Forest Settlement Officers expired on March 31st, 1906, and in all districts save one the forest settlement work still to be done has been entrusted to Divisional officers (G.O., No. 395, Revenue, dated 2nd May 1906). The exception is the district of South Canara where, on account not only of the number of blocks requiring settlement but also of the peculiar difficulties of the work, it was considered advisable to depute from the Indian Civil Service an officer for Forest Settlement work.

5. When all settlement operations have been completed, the total area of reserved and systematically protected forest in the Presidency will amount approximately to 20,000 square miles, or about one-seventh of the gross area of the Presidency excluding the great feudatory states. Madras shows a larger proportion of forests to total area than any of the other provinces of India except Burma, the Central Provinces and Assam. The comparison which is instituted in paragraph 2 of the report between Madras and European countries ignores the essential differences in conditions, which invalidate any deductions from such a contrast; and the statement that rainfall increases 23·9 per cent. and upwards in forest areas is based on insufficient data and cannot be accepted as a fact either well known or proved. It may, perhaps, be that the conservation and extension of forest areas does tend both to increase the rainfall and to benefit surrounding areas by increasing the retention of moisture in the soil and reducing floods and denudation. But more convincing proofs must be obtained before such a dogmatic statement as that made by the Conservator can be accepted.

6. *Demarcation and forest survey.*—Six hundred and eight miles of boundary lines were demarcated during the year, the outturn being below, and the cost above, the average. Only 965 miles still remain to be demarcated and the Government trust that the work will be completed during the current year. From the point of view of survey, the year was marked by an important conference held at Bangalore to discuss the future programme and scale of forest surveys in this Presidency. The proposals of the conference were accepted by Government in G.O., No. 60, dated 12th January 1906. The most important question discussed was that of the scale on which topographical maps of forests should be prepared and the Government accepted the unanimous opinion of the conference that a 2-inch scale will suffice for the purposes of forest administration and approved of its adoption except in Ganjám where the survey of the forests will be completed on the 4-inch scale. A Survey of India party continued to work in the Presidency, and a certain amount of departmental survey was also done. At the end of the year, 1,062 square miles or 5·8 per cent. of the forest area still remained to be surveyed.

7. *Working-plans.*—The progress made in the preparation of working-plans was disappointing. During the year plans for only 110 square miles were sanctioned by the Board and plans for 1,064 square miles were under preparation. The reasons assigned for this extremely short outturn are the fact that no special officers were at work, except for six months in the Southern Circle, and the extension of the departmental system of working in many districts and the consequent increase of the District Forest Officers' ordinary work. Plans have still to be drawn up for 9,723 square miles or nearly half the forest area and the districts of Cuddapah, East Kurnool, North Coimbatore and Guntúr are especially backward in this respect. It is also reported that the revision of several sanctioned plans is necessary. The Government attach great importance to the systematic exploitation of forests in accordance with carefully prepared working-plans, and regard with concern the slow progress made in their compilation. They have recently received a separate report from the Board upon the subject, the orders on which will shortly be issued.

8. *Communications and buildings.*—The outlay on communications and buildings (Rs. 1,44,798) was far in excess of the average for the preceding three years, the increase being especially noticeable in the expenditure on buildings. The mono-rail tramway in Gódávari was worked at a profit of Rs. 792, the cost per ton-mile being less than half of the estimated charges of carriage by coolies instead of being nearly twice as great as in the previous year. In South Coimbatore the total quantity of timber transported by tramway (1,612 tons or 7,660 ton-miles) exceeded the figures recorded for the preceding three years, but the tramway continued to be run at a small loss. The profits resulting from the use of the tramways in Nellore were less than usual owing to the diminished yield of the compartments exploited during the year in the Coast range.

9. *Forest offences.*—The number of new cases rose from 21,930 in 1904–1905 to 23,021, the increase occurring mainly in offences against the grazing rules. Six per cent. of the gross number of offences reported remained undetected, 28 per cent. were carried to Court and 66 per cent. were compounded. 89·17 per cent. of the cases taken to Court ended in conviction. While forest crime showed an increase of 708 cases over the average of the preceding three years, the proportion of convictions was less than in any of those years. Fires naturally contributed a large proportion of the undetected cases. As usual they were especially numerous in the district of North Arcot. The number of cases compounded and the amount of fees realised therefrom showed a marked increase on the corresponding figures for the previous year.

10. *Fire protection.*—The area which the department attempted to protect from fire was extended in the year from 6,909 square miles to 7,208 square miles. Protection was successful in respect of 6,772 square miles, but the great improvement shown in 1904–1905 was not maintained, and the proportion of failures rose from 2·4 per cent. to 6 per cent. The system of burning under departmental control not only as a measure of protection but also as a means of promoting a growth of new grass was tried in the Cuddapah district. The cost per square mile was less than in the ordinary system, but the proportion of failure (10 per cent.) was high and the results were not altogether satisfactory. The Government note with pleasure the success of the protective measures adopted in East Kurnool which was due mainly to the policy of securing the co-operation of the Chenchus in putting out fires. In Vizagapatam, on the other hand, where the Extra Assistant Conservator is alleged to have aroused the antagonism of the villagers by apathy in disbursing rewards, several destructive fires took place and the Government desire once more to lay stress upon the great importance to successful fire protection of enlisting the sympathy and co-operation of those who make use of the forests.

11. *Protection from cattle.*—A further reduction took place in the area closed to all animals, 1,503 square miles or 8 per cent. of the total forest area being closed against 1,728 square miles, the average for the preceding three years. The policy of excluding goats from reserved areas was continued in the majority of districts, but the area opened to browsing was nearly doubled in the course of the year, goats being permitted to browse in nearly 9 per cent. of the forest area. The number of animals impounded (230,796) was almost the same as last year, and far less than the average (280,234) for the past three years.

12. *Protection against injuries from natural causes.*—Very serious injury was done to the casuarina plantations in the Northern and Central circles during the year by the fungus *Trichosporium vesiculosum*, and no effective remedy seems yet to have been discovered. The spike disease affected the sandalwood trees in North Coimbatore severely, and here too both the cause of the disease and its cure have hitherto defied detection.

13. *Sylviculture.*—Natural reproduction from seed was hampered, except in the West Coast districts, by the unfavourable character of the season, but was on the whole satisfactory. Perhaps one of the most noteworthy features of the year was the natural regeneration of mahogany in South Malabar, and the spread of teak in the Railway working circle of Kurnool East is reported to have been most encouraging.

14. Cultural operations of the usual kind were continued throughout the year, and there was a net increase of 2,231 acres in the area planted up artificially, which now stands at 33,933 acres. In South Malabar 120·30 acres were planted up with teak in the Karimpoya reserve, and casuarina plants were put down in large areas both in the Northern and Central circles. Experiments were made in a few districts on a limited scale to cultivate shrubs, plants and trees yielding leaf manure. The Government have received a separate report upon the subject from the Board of Revenue, and have already recorded their regret at the very small measure of success that attended these efforts and their opinion that the matter should receive more systematic and earnest attention from the officers of the department (G.O., No. 1169, Revenue, dated 26th November 1906). Steady progress was made during the year in the substitution of located fellings in conjunction with depots in place of the permit system, and the Government hope that this measure will not only enable the Forest officers to exercise a better check over removals of produce but will also result in time in a more economical working of the forests.

15. Experiments with various exotics were carried on in many districts, but the results were mainly negative. The growth of mahogany, especially *Swietenia macrophylla*, is promising in South Malabar, but the seedlings have many enemies to contend with,, the most destructive being deer and sambhar. Para rubber (*Hevea Braziliensis*) appears to do fairly well in South Canara, but the experiments with *Ceara* proved a failure. The prospects of introducing camphor seem to be bright.

16. *Working and outturn.*—The forests continued to be worked for the most part through the agency of private purchasers, unregulated fellings being, as usual, confined to unreserved areas and the extraction of inferior produce to meet local demands. But a feature of the year was the continued expansion of the departmental system of exploitation, the total value of departmental extractions aggregating Rs. 9,73,722 or Rs. 2,66,736 more than last year. The total output of the forests was $2\frac{1}{2}$ million cubic feet of timber, 20 million cubic feet of fuel and 30 million bamboos. There was a decrease under all these heads, but the value of the minor produce extracted showed an increase. Hay-making experiments were continued, but they were hardly a success.

17. *Financial results.*—The total receipts for the year increased by rather more than 7 per cent. to Rs. 30,36,892 and the expenditure by 11 per cent. to Rs. 23,16,731. The net profit of the year (Rs. 7,20,161) was less by Rs. 25,901 than in the previous year and was below the average of the five preceding years (Rs. 7,49,127) by Rupees 28,966. The Government consider that a part of this considerable surplus should be invested in the development of the department, a subject which will again be referred to in connection with remarks on establishment below. The large increase of expenditure was mainly due to the extension of the departmental system of working. Collections during the year were good. The year opened with an arrear balance of Rupees 1,64,227 and the current demand amounted to Rs. 30,48,766. Of the total of Rs. 32,12,993, Rs. 30,36,892 or 94·5 per cent. were collected, Rs. 144 were written off and a balance of Rs. 1,75,957 remained outstanding.

18. *Establishment.*—The most important administrative changes during the year were the division of the Cuddapah and Gódávari districts into three and two forest charges respectively, and the formation of additional ranges in Bellary and North Coimbatore. There were two casualties in the controlling staff, Mr. H. A. Gass and

one Extra Assistant Conservator retiring in the course of the year. No Assistant Conservators were posted to the Presidency, and there are now three vacancies in this grade of the Imperial staff. The attention of Government of India has been drawn to the urgent need, in the interests of efficient administration, of filling these vacancies at the earliest possible date. The administration report is a record of progress hampered in almost every direction by lack of staff. The sanction of the Secretary of State has just been received for the entertainment of additional Rangers, and the strengthening of the Upper Controlling staff is equally necessary as a complement to this measure. At present it barely suffices to fill the existing major charges, some of which the Government consider too heavy for one man efficiently to administer, and its inadequacy is illustrated by the fact that the Board of Revenue has found it impossible during the greater part of the year to find an officer for the important duty of preparing working-plans.

19. In spite of the difficulties with which it has had to contend, however, His Excellency the Governor in Council considers the department maintained on the whole its high standard of efficiency during the year. He desires to place on record his appreciation of the good work done by most of the District officers, but he regrets that the conduct of the subordinate executive staff is reported to have displayed little improvement.

(True Extract.)

A. G. CARDEW,
Ag. Secretary to Government.

To the Board of Revenue (Land Revenue).
„ Accountant-General.
Copy to the Government of India, Department of Revenue and Agriculture, with C.L.
Editors' Table.

00134086

Digitized with financial assistance from

Government of Maharashtra

on 01 February, 2020